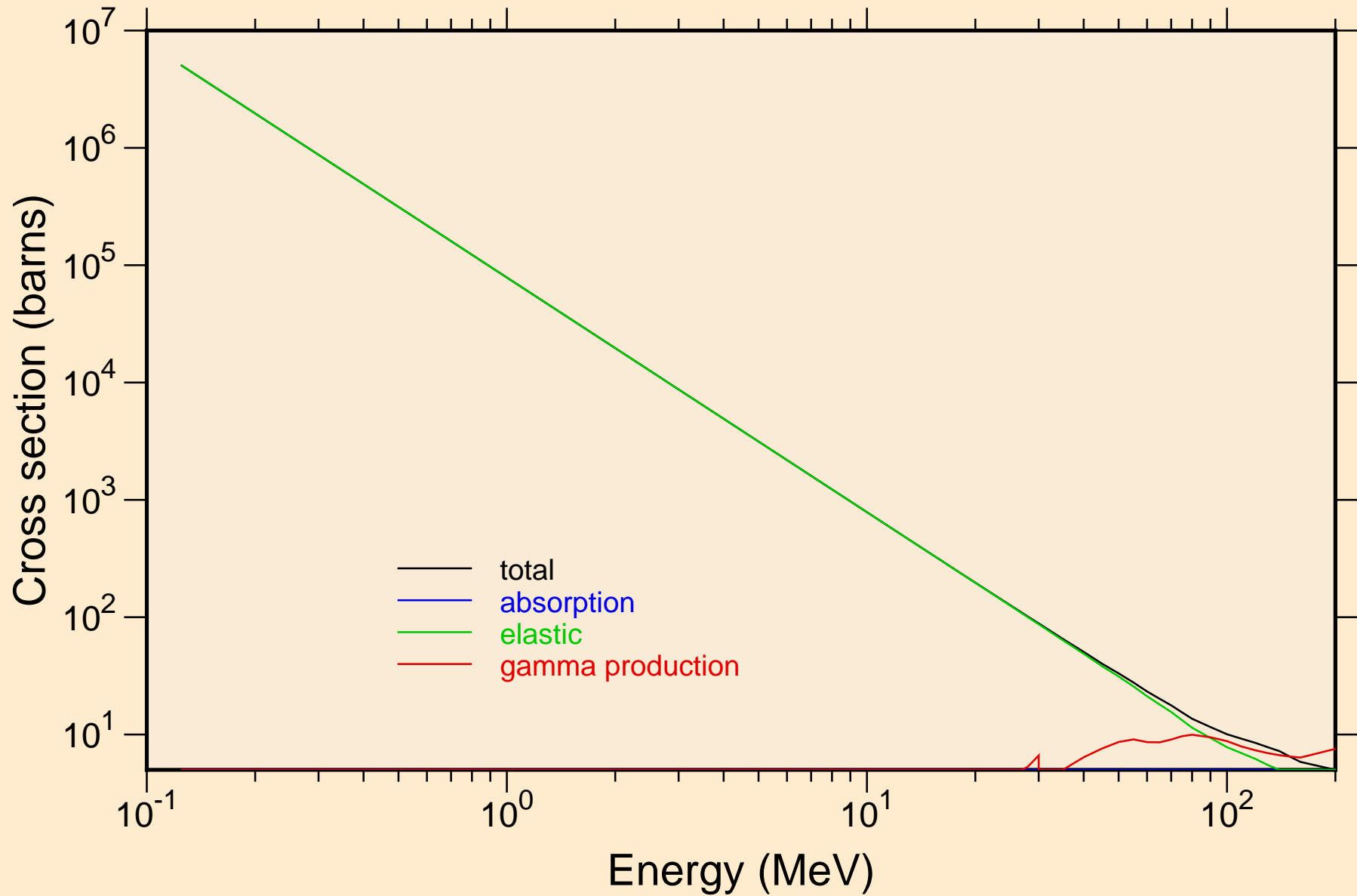


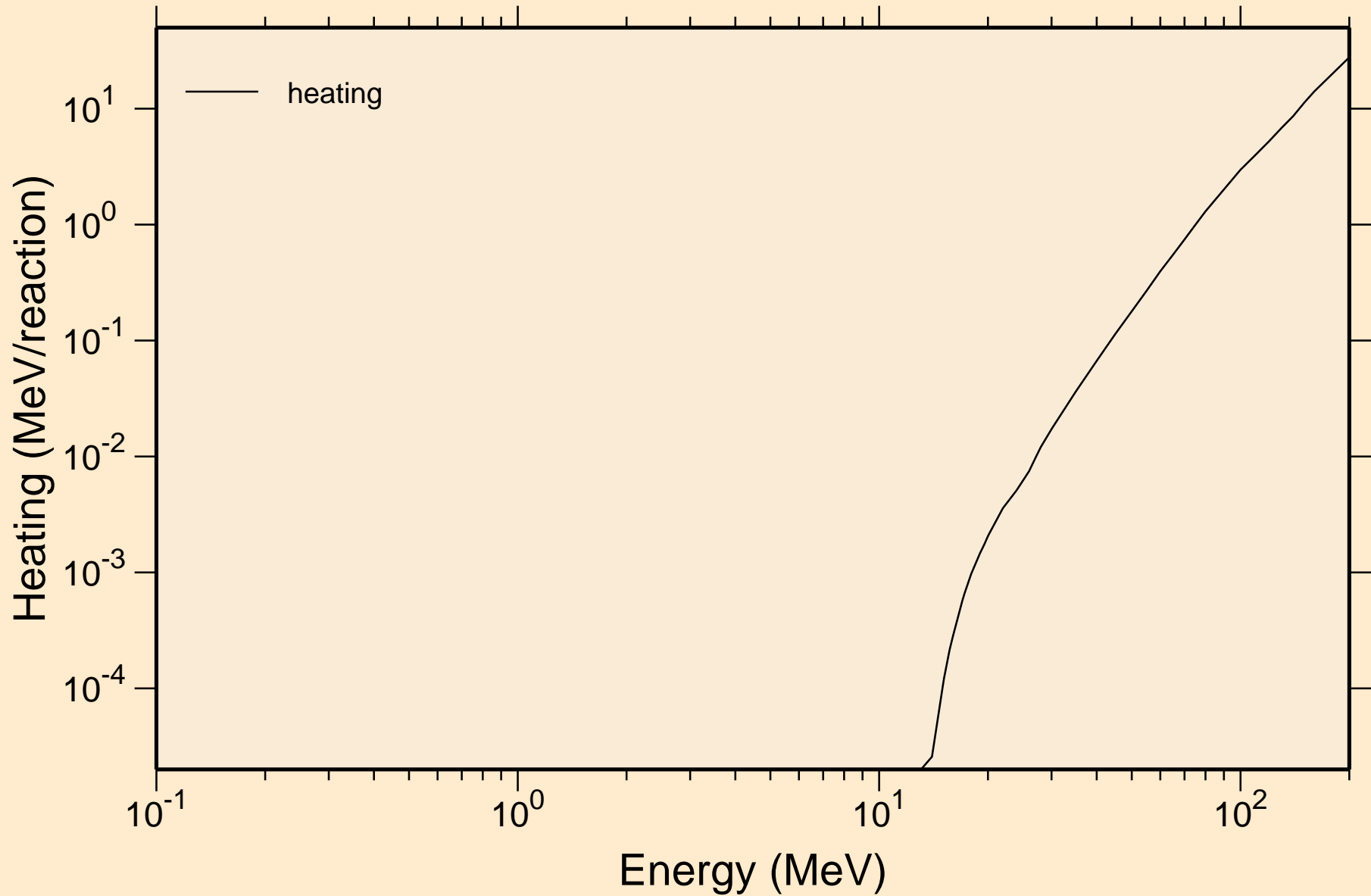
# CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



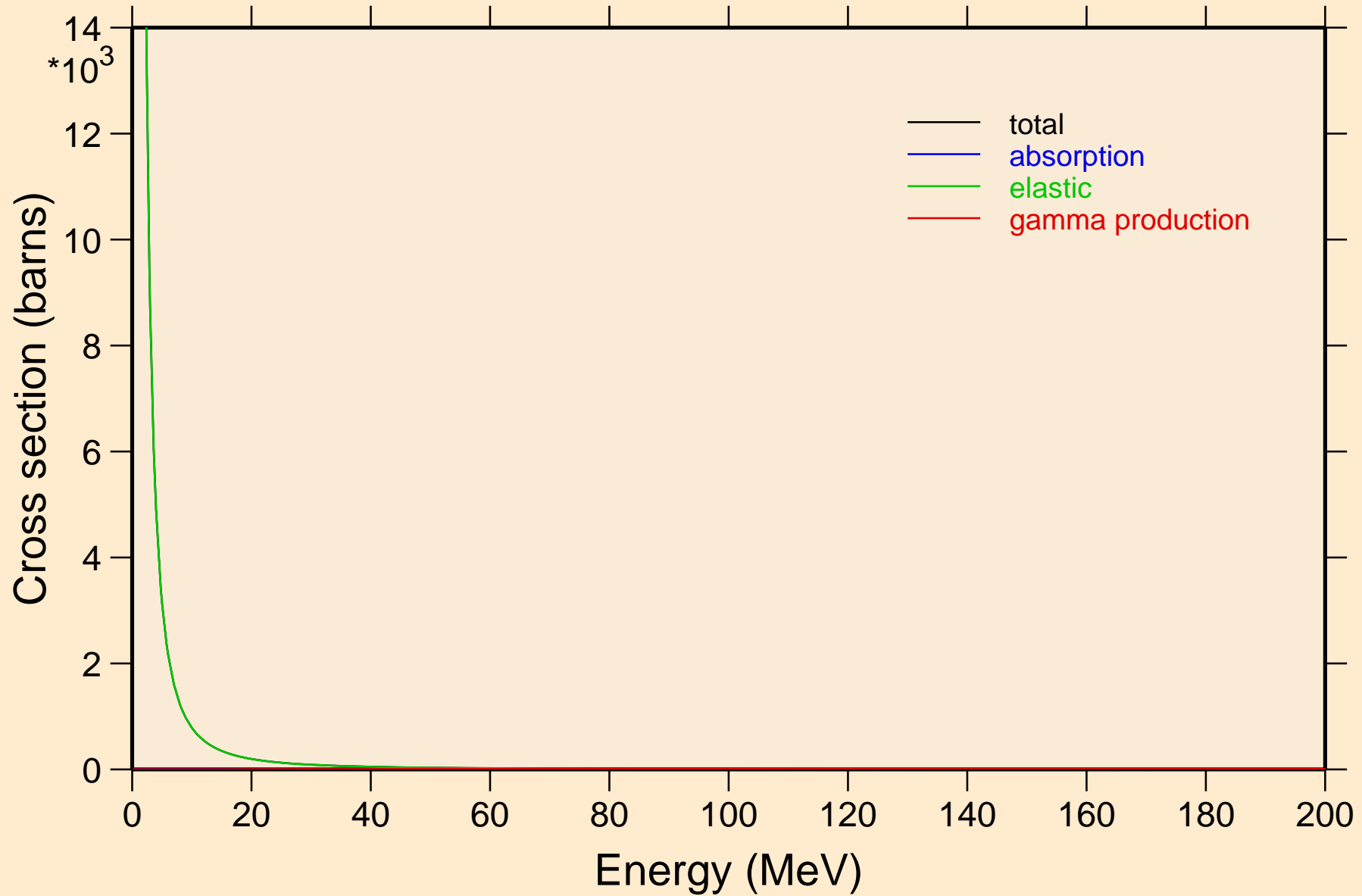
# CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Heating



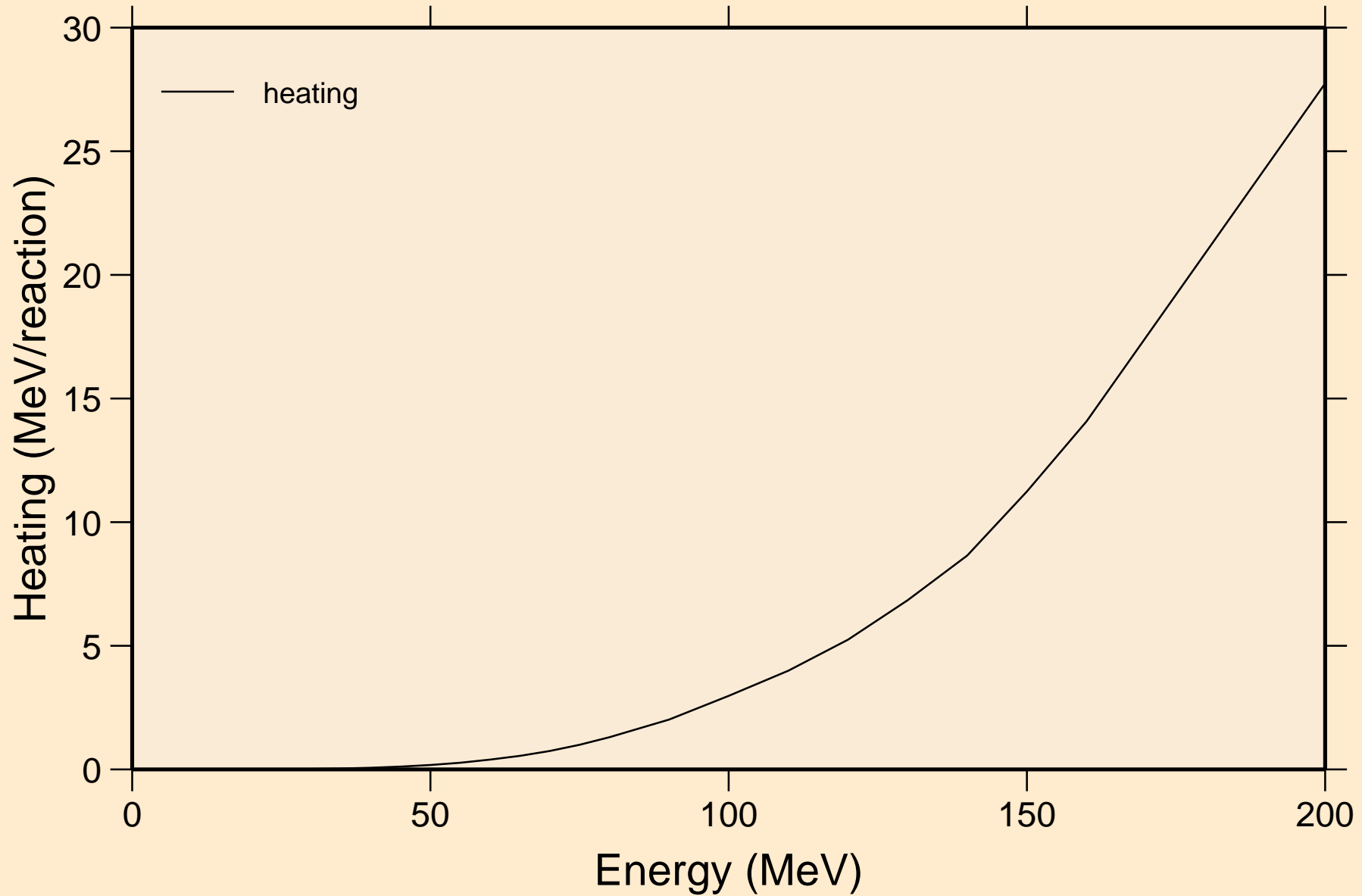
# CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections

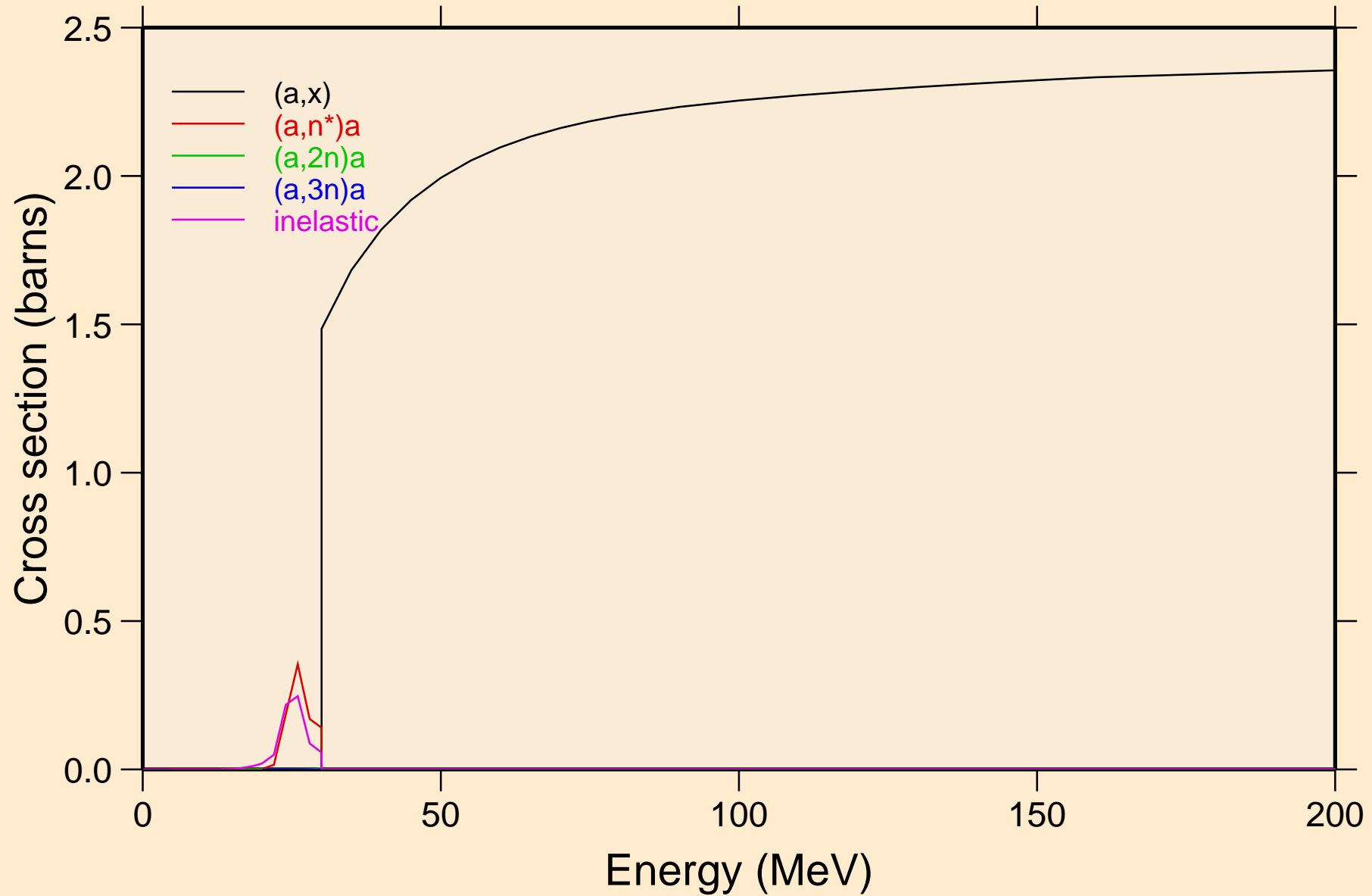


CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

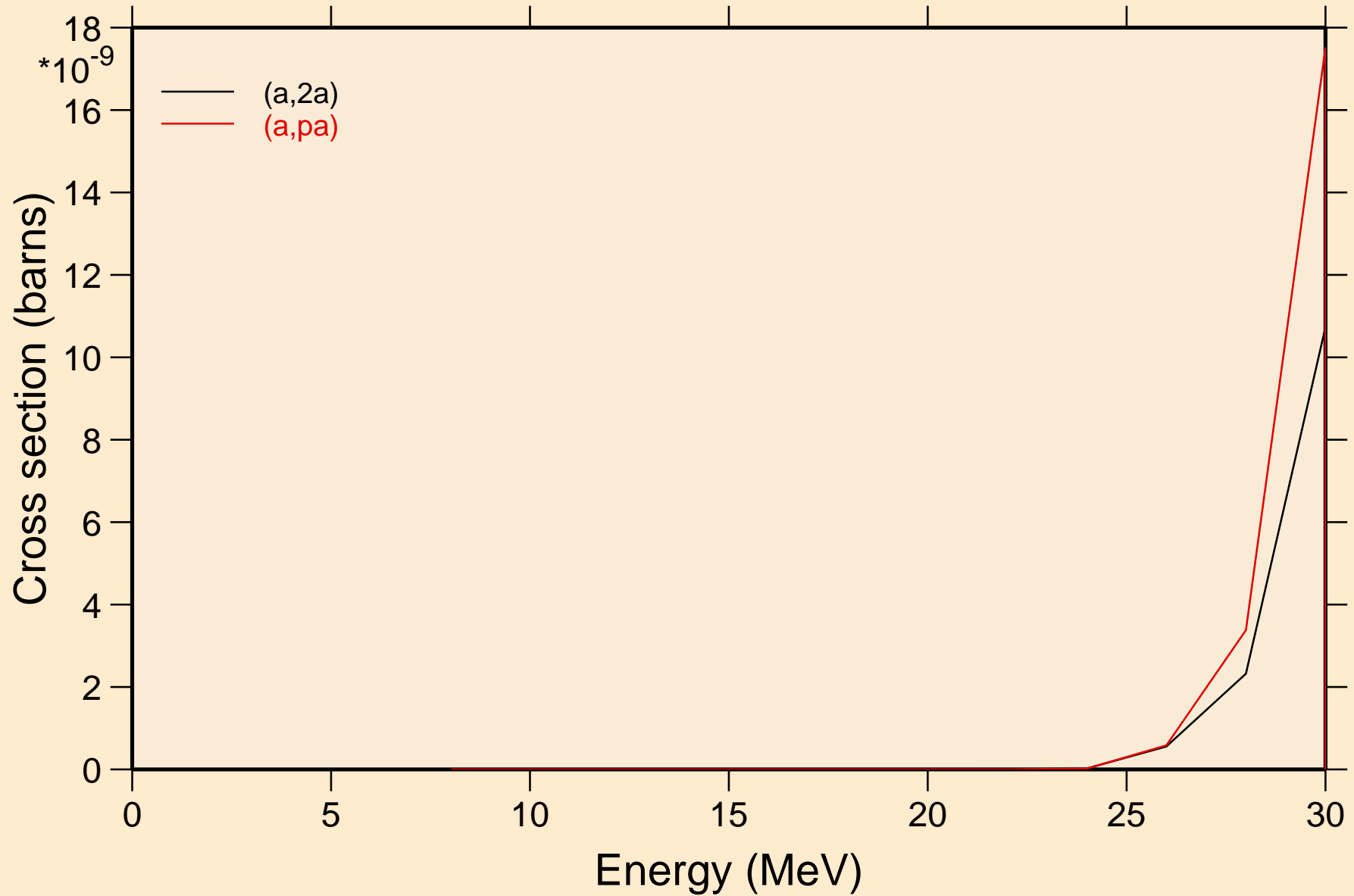
Heating



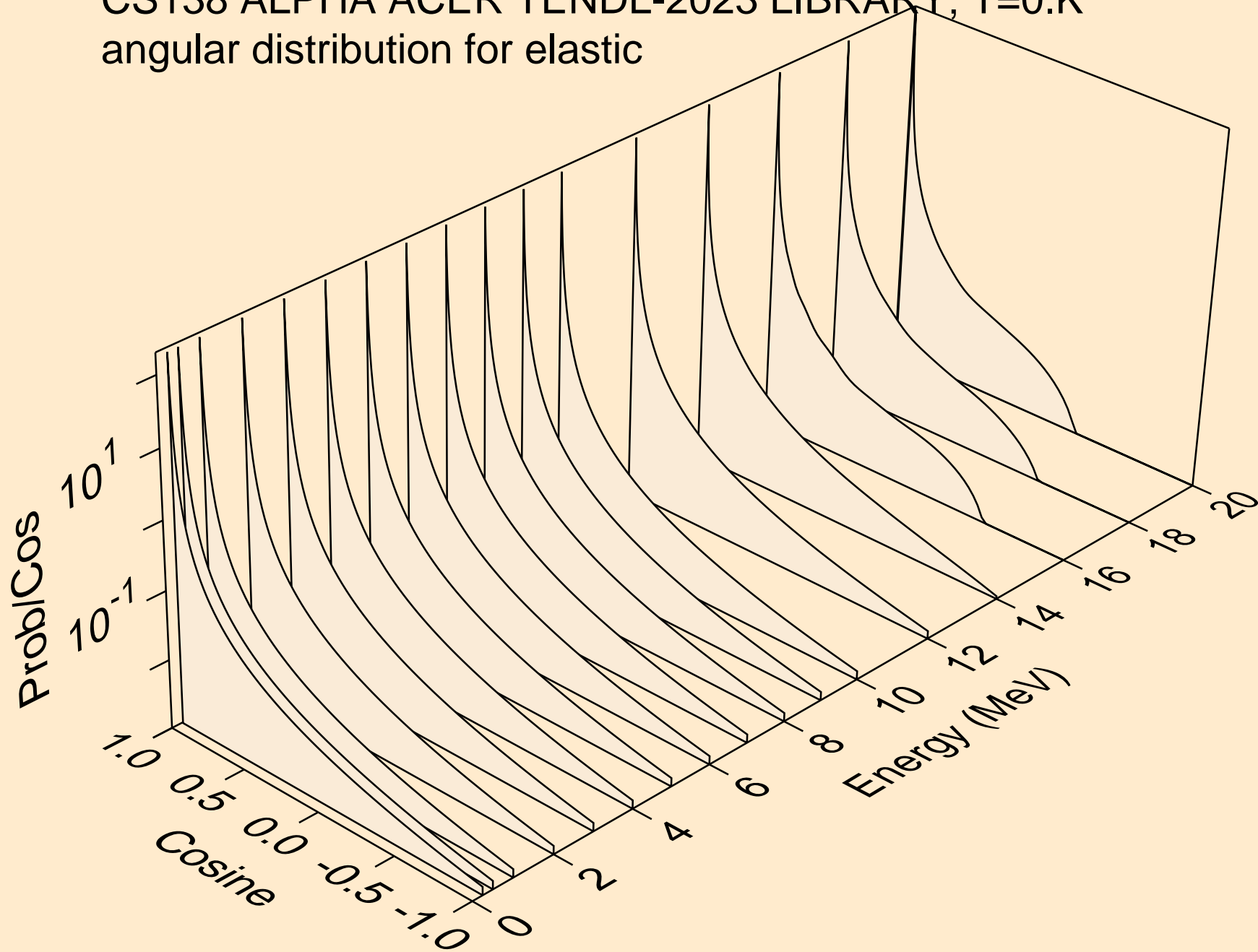
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



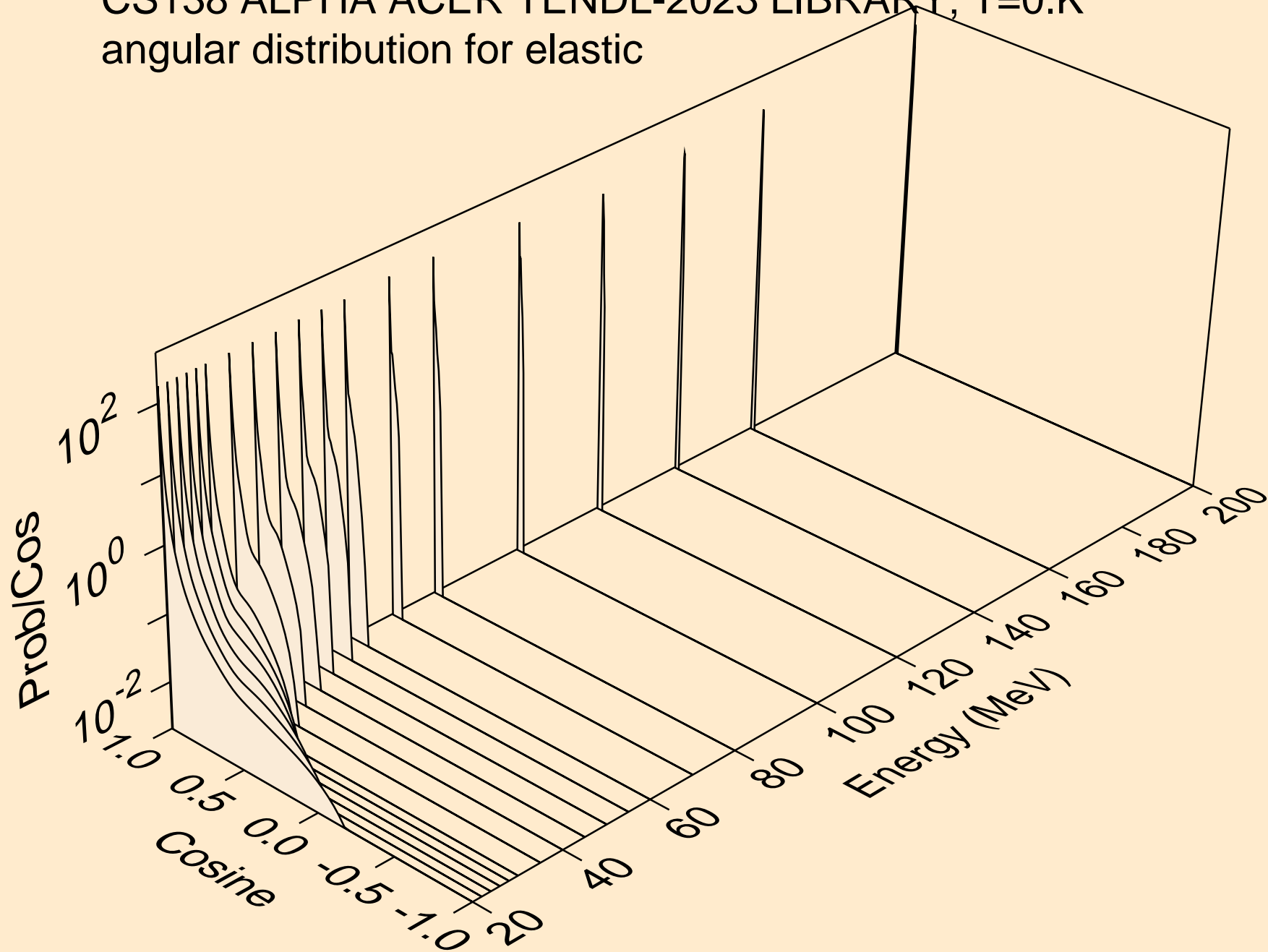
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



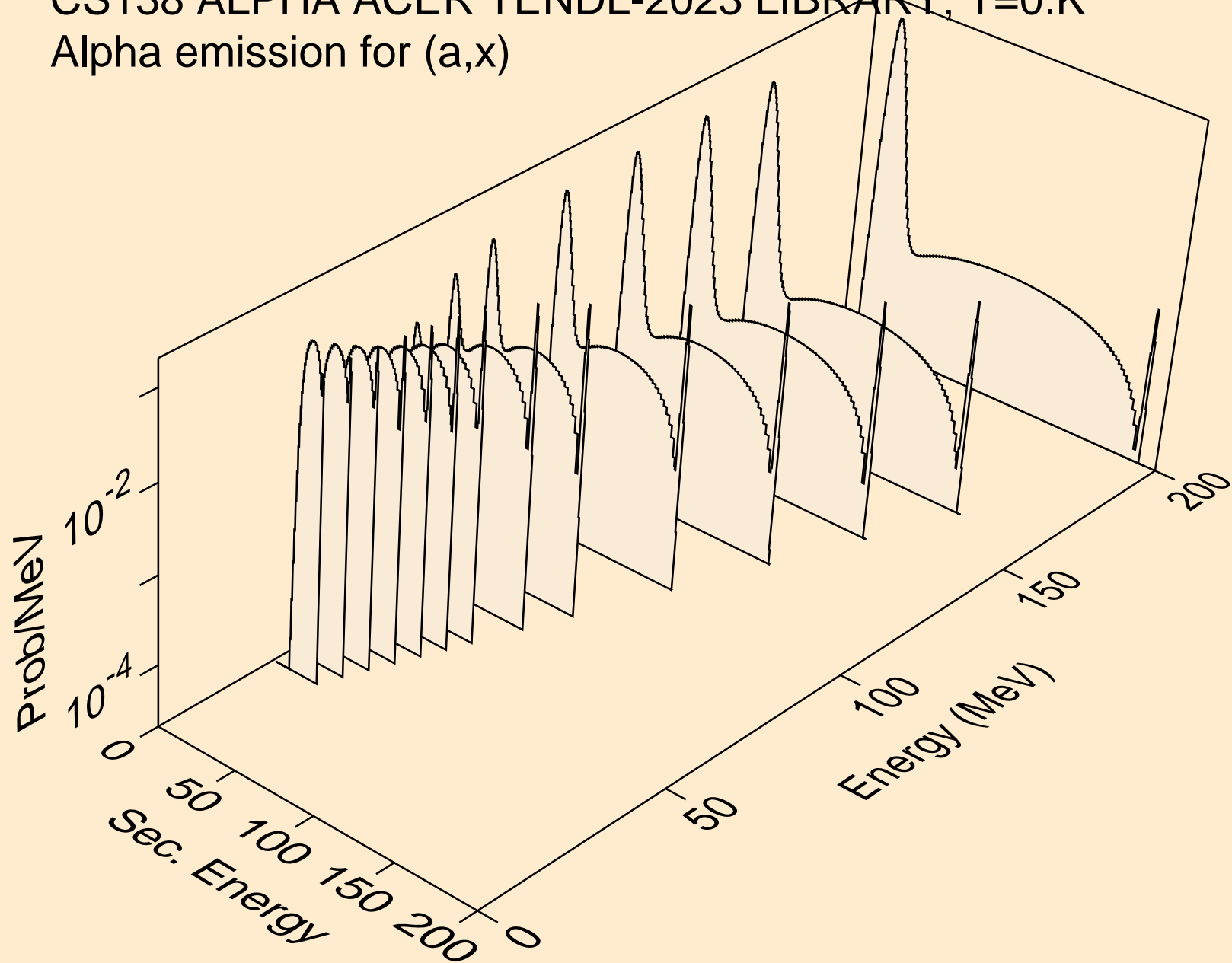
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



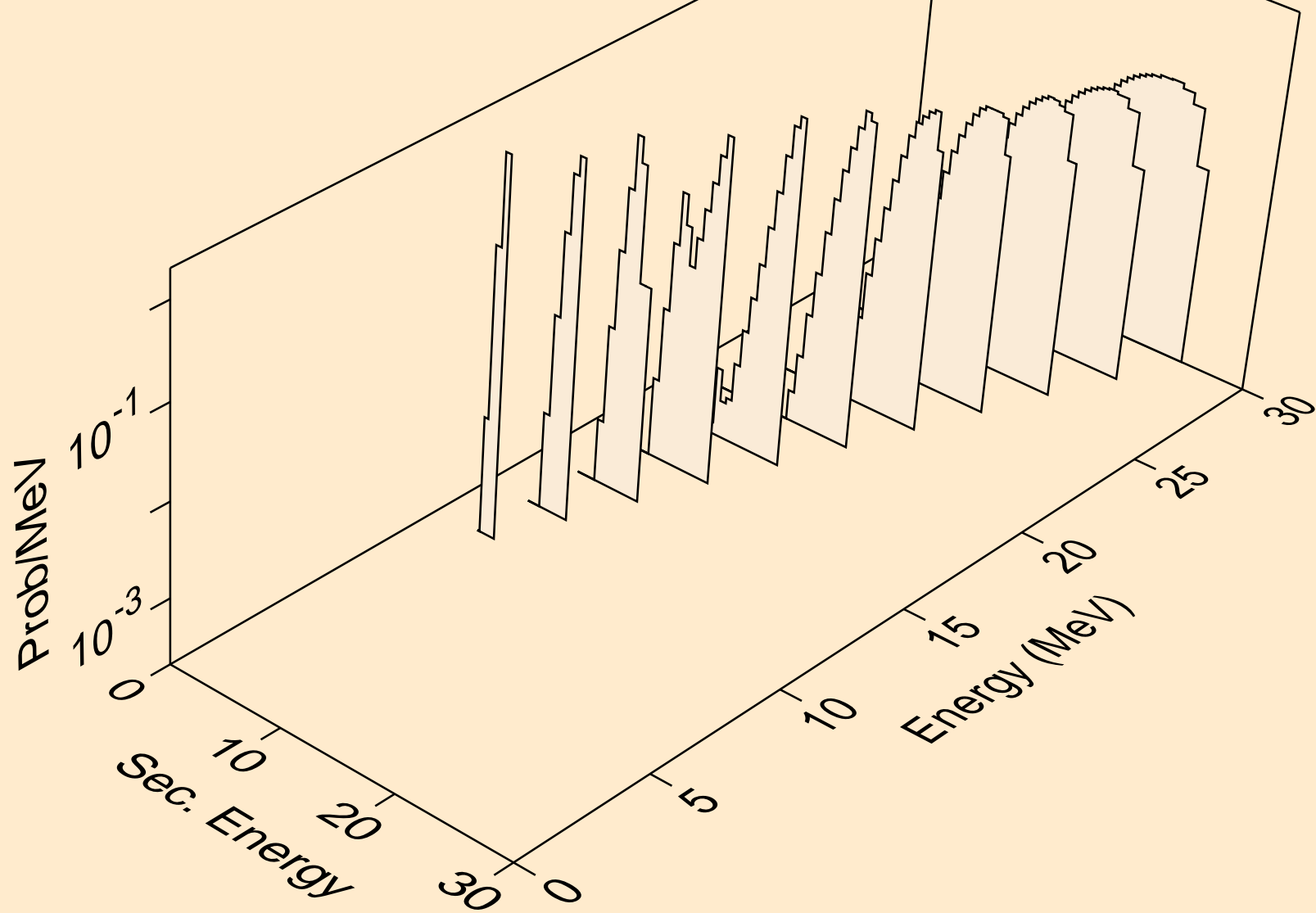
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



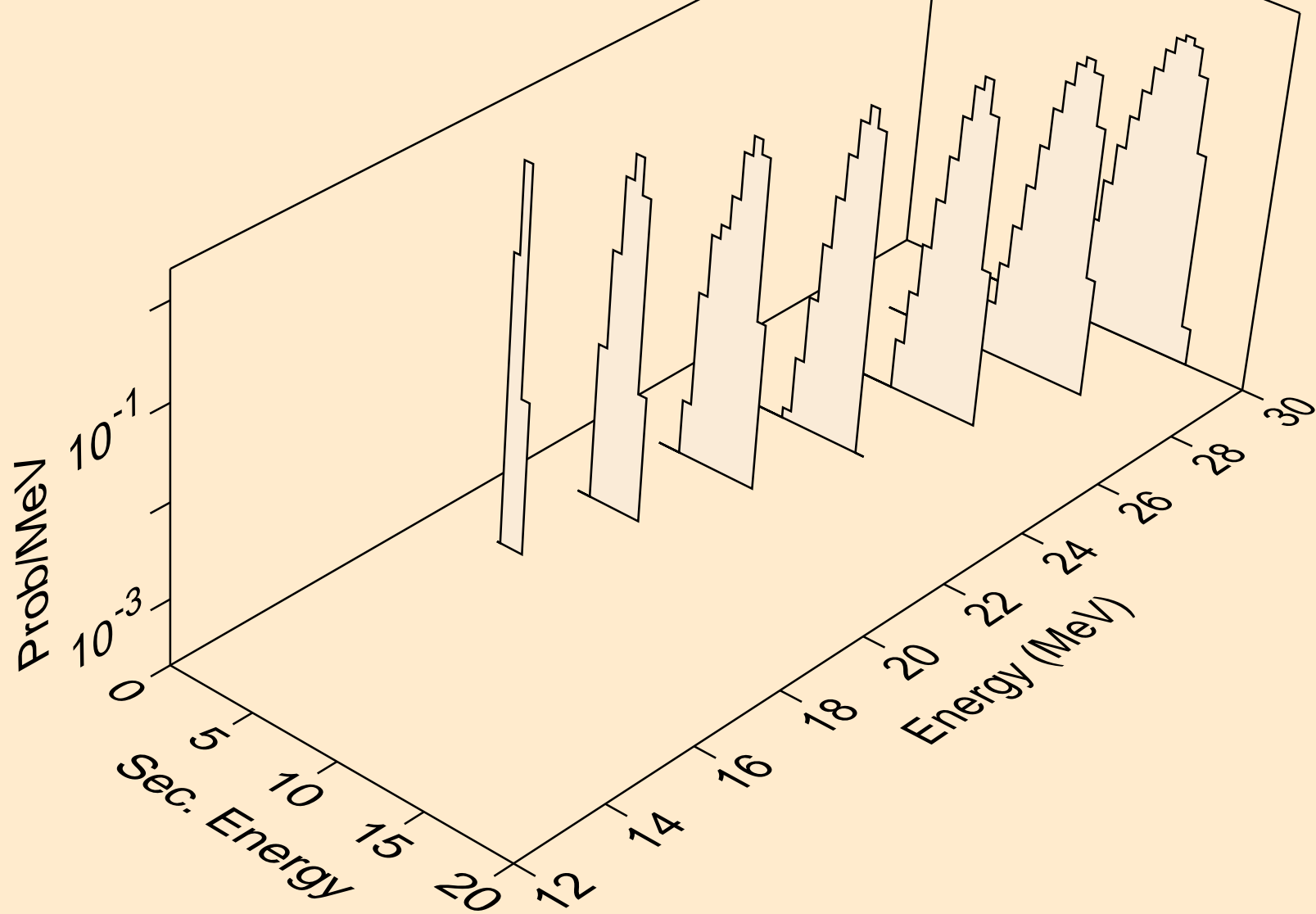
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,x)



CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,n\*)a

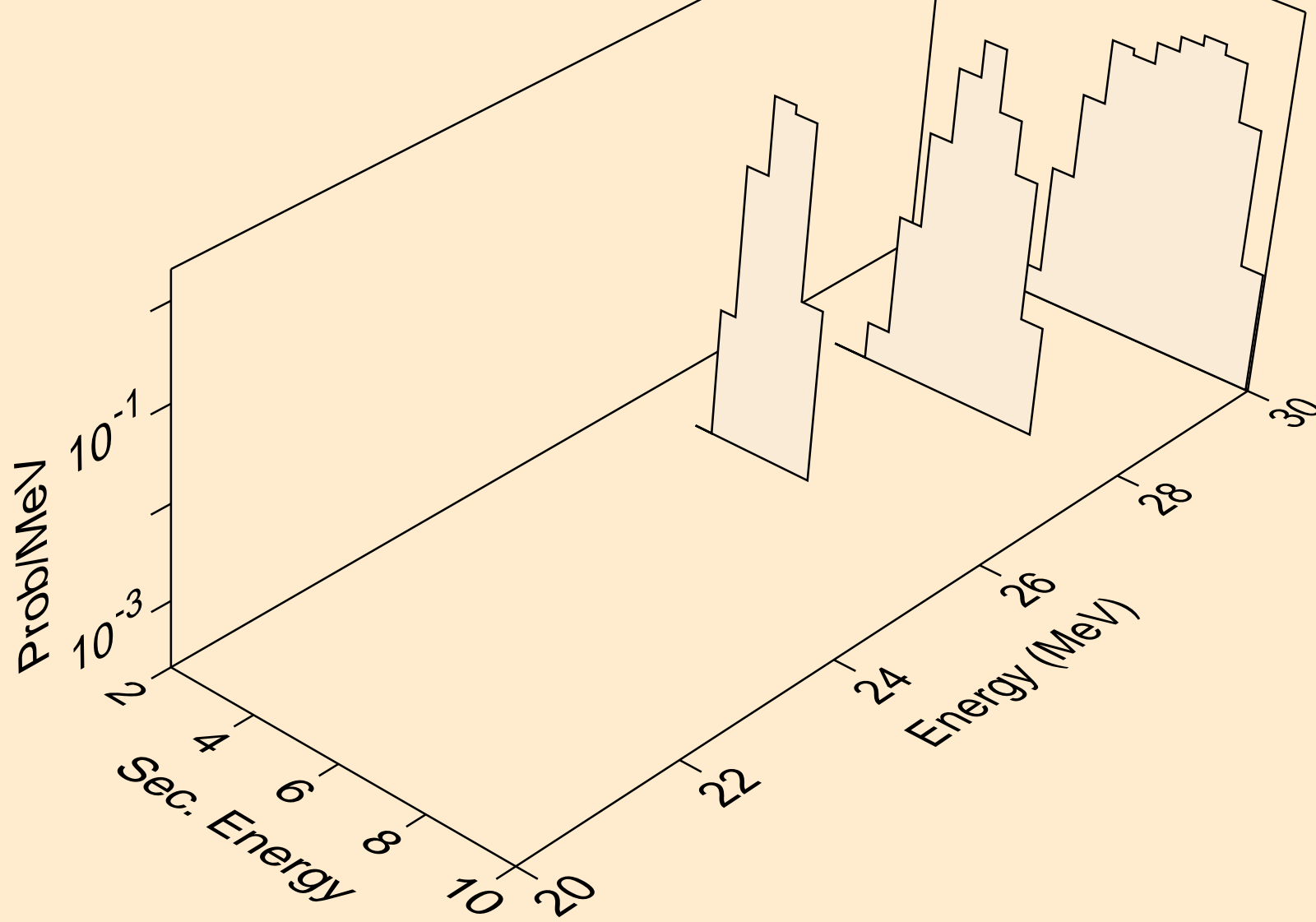


CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2n)a

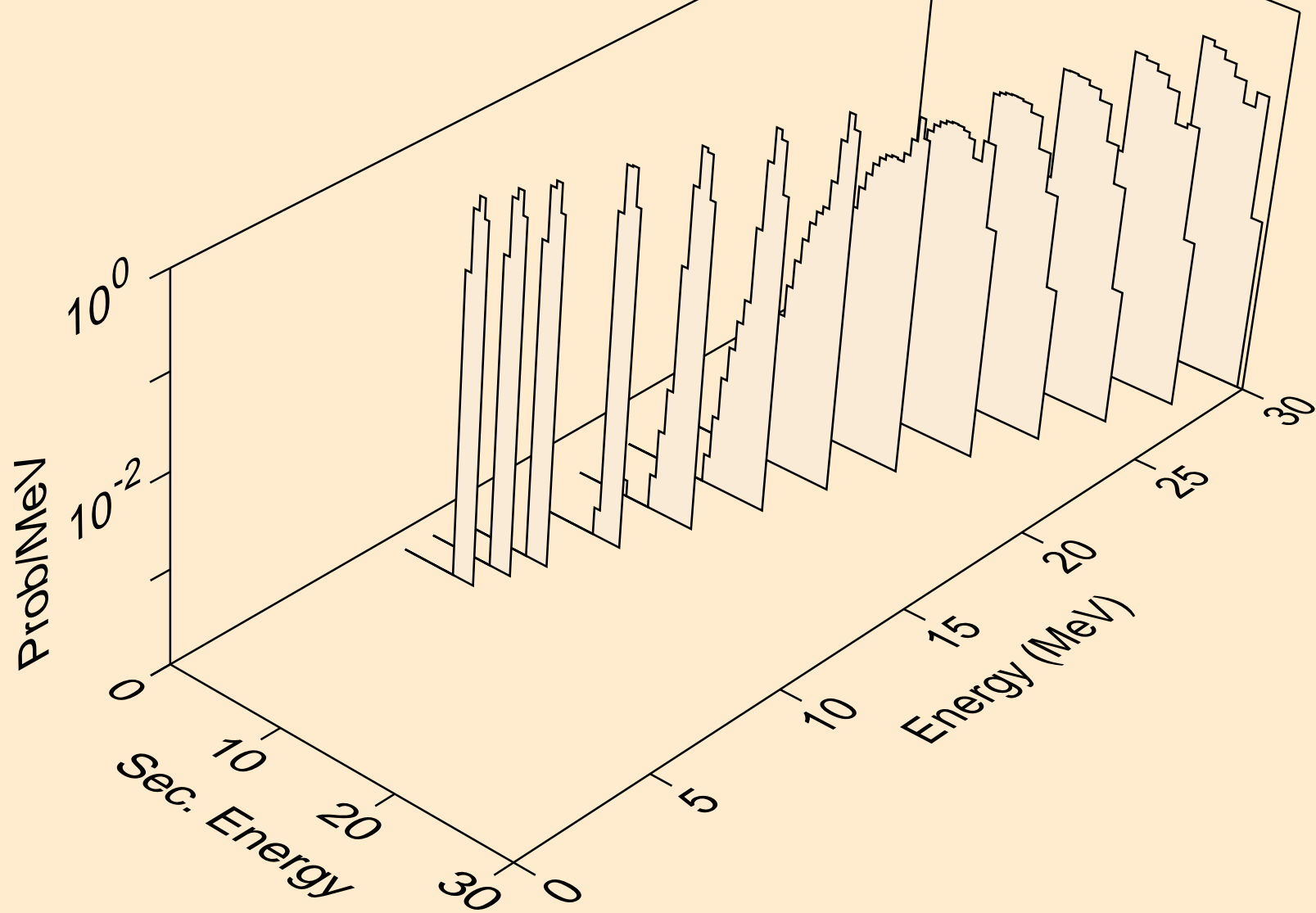


CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

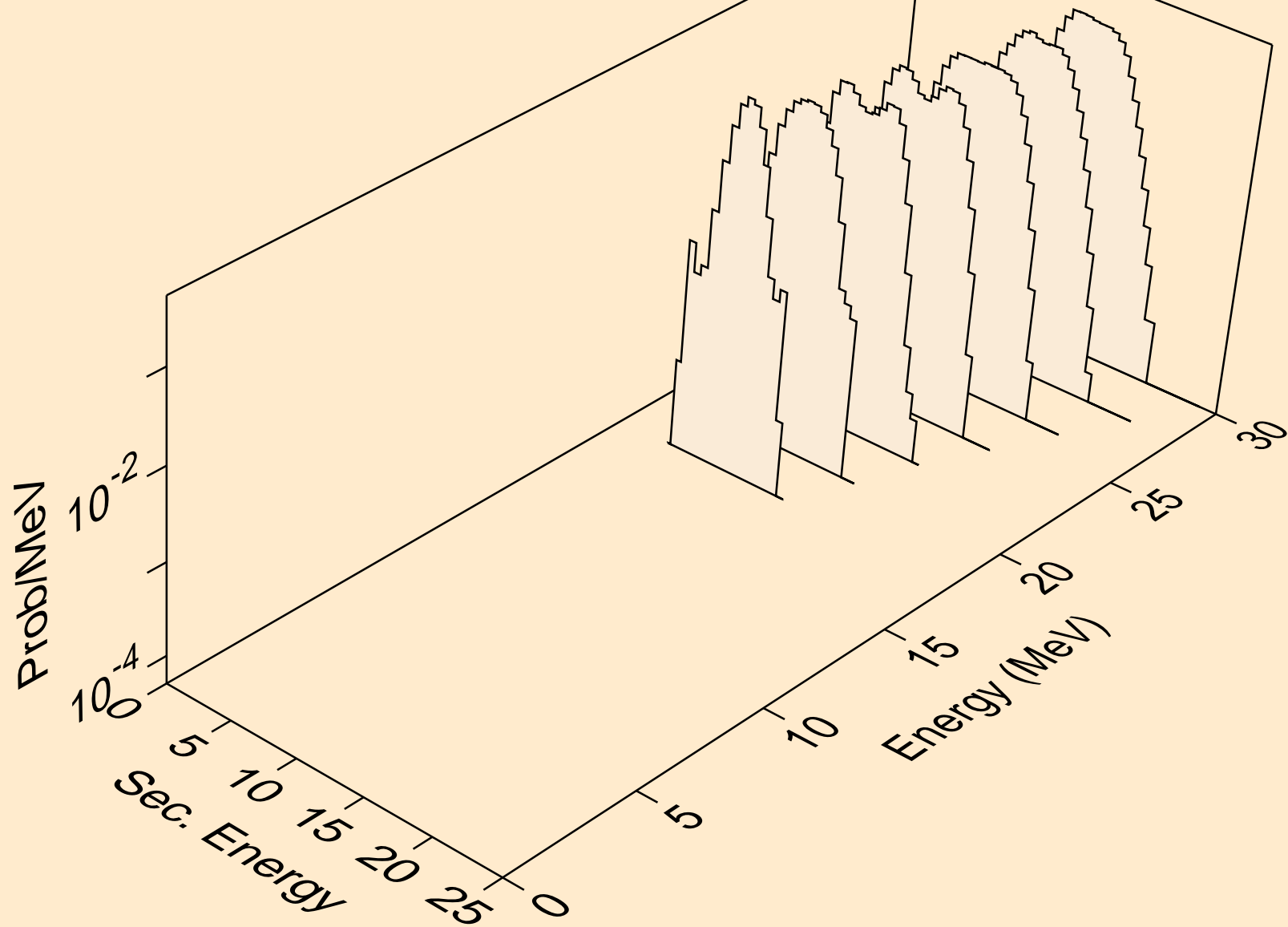
Alpha emission for (a,3n)a



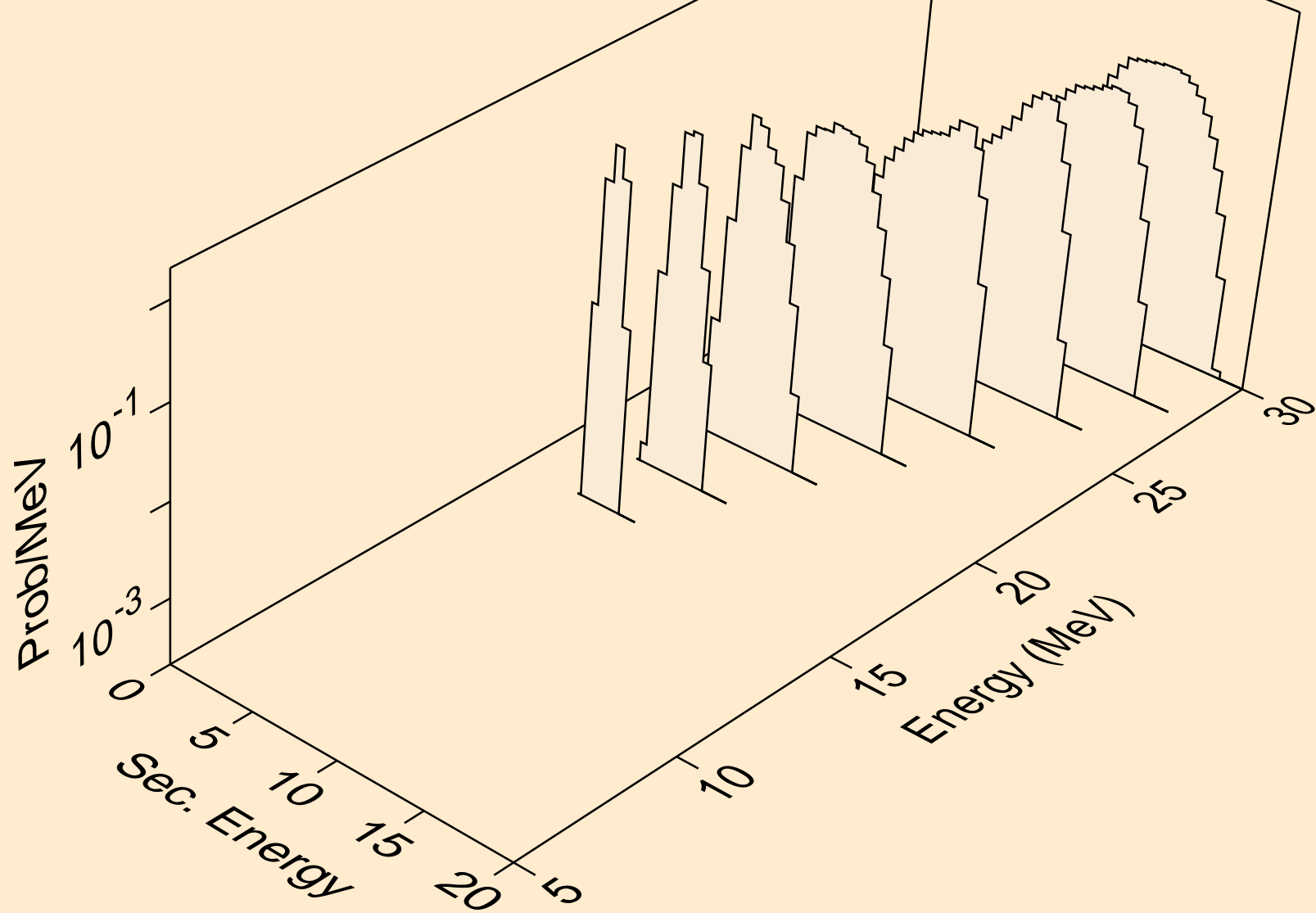
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for inelastic



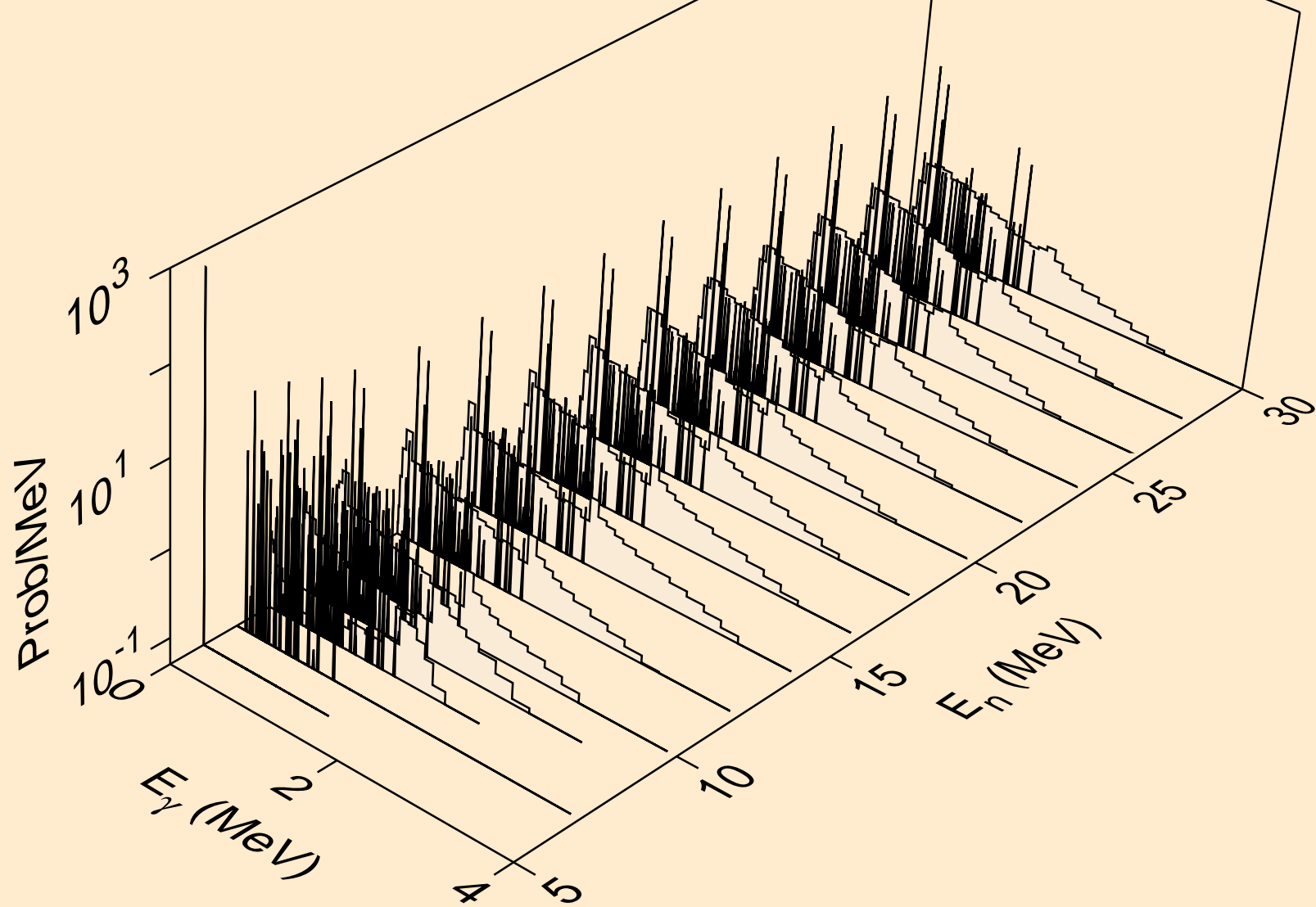
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,2a)



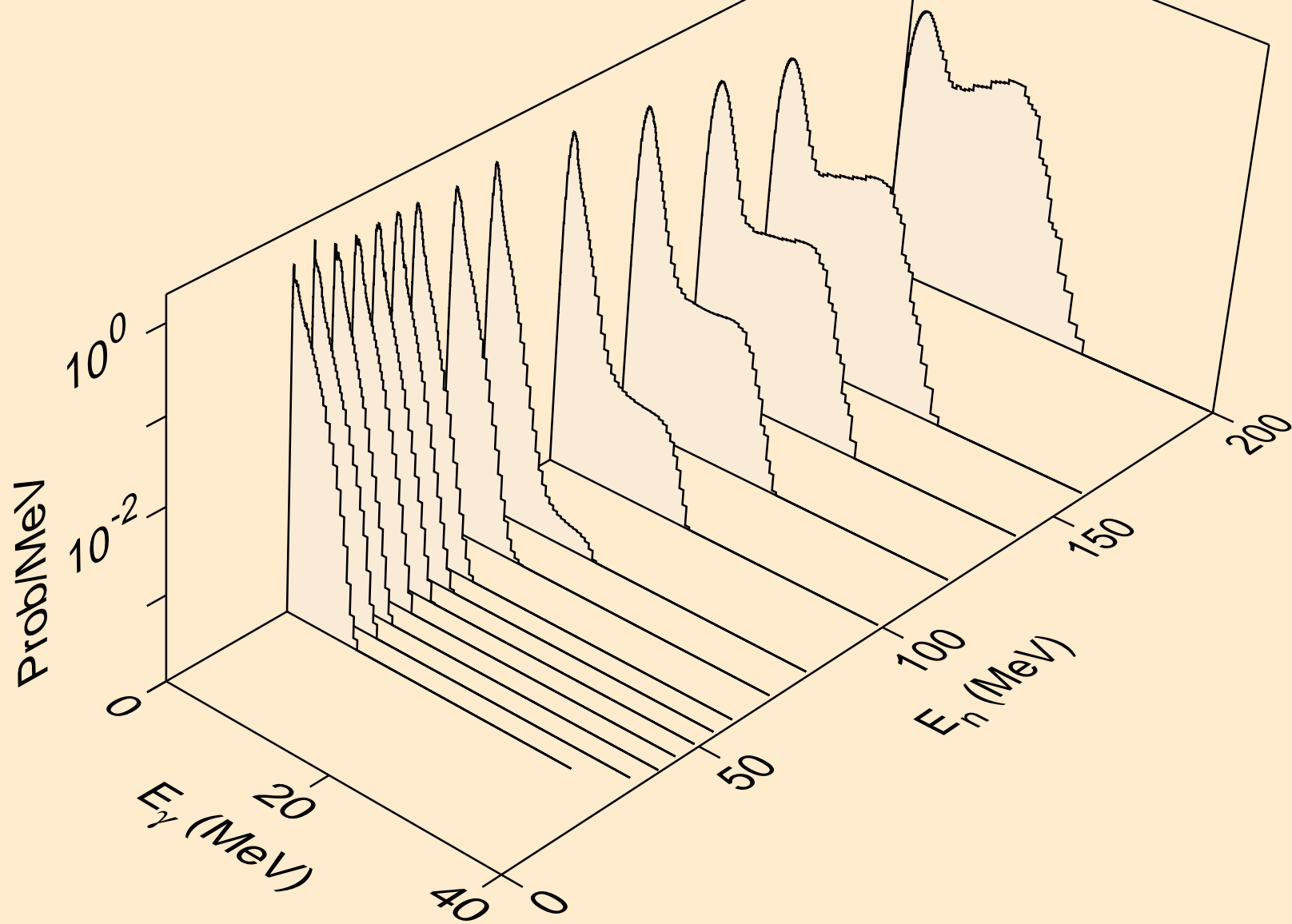
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Alpha emission for (a,pa)



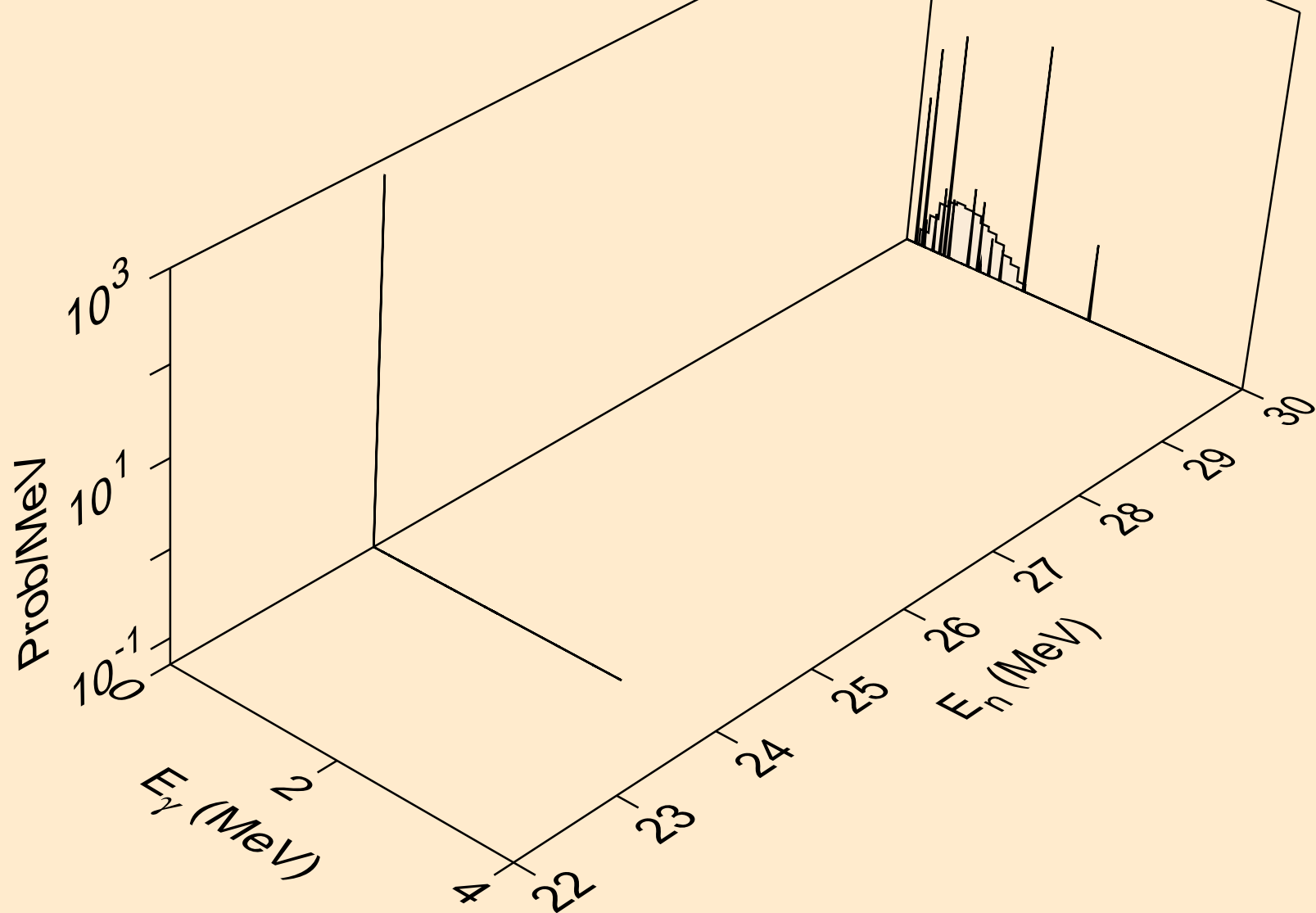
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Photon emission for (z,n)



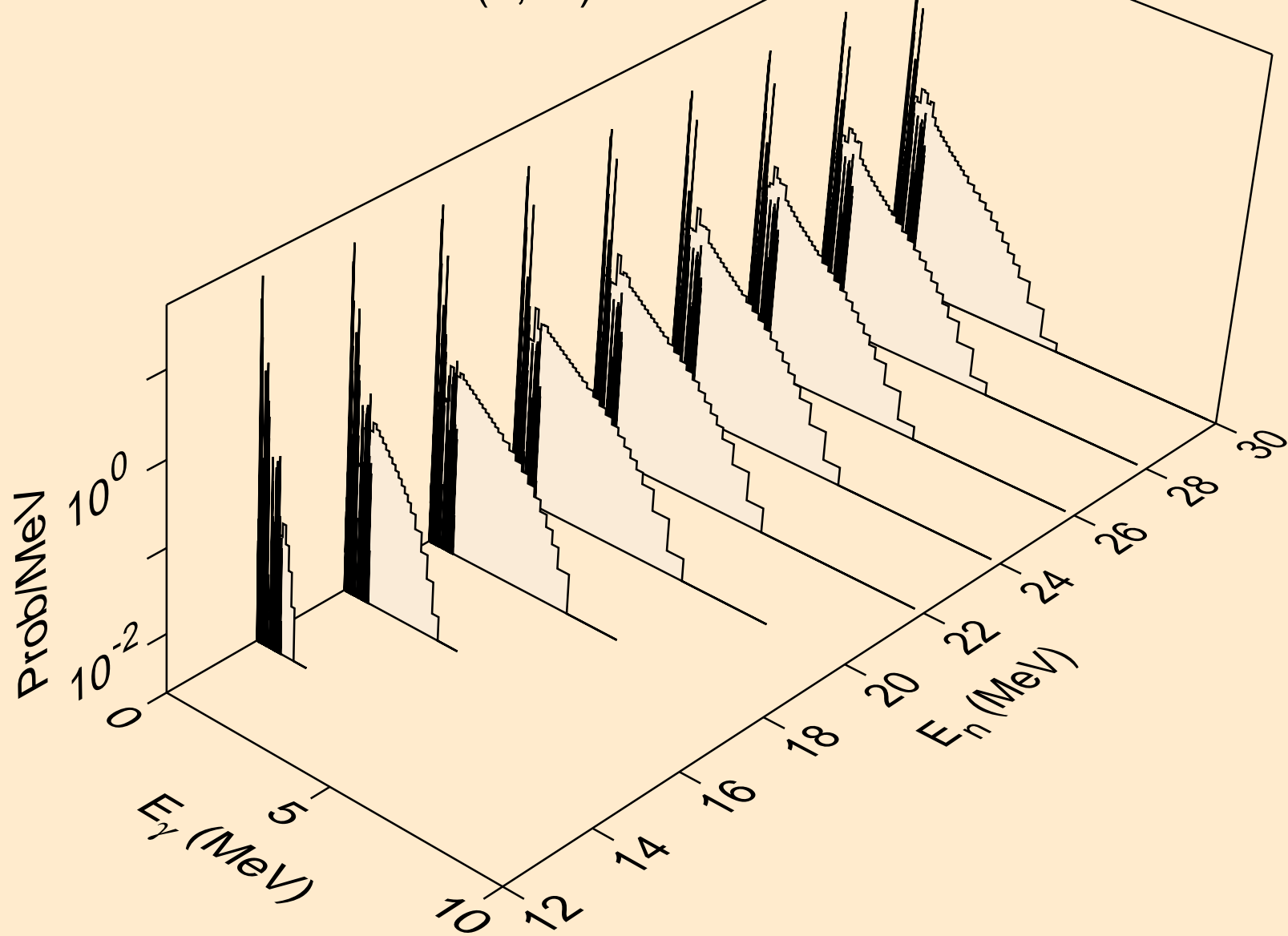
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (z,x)



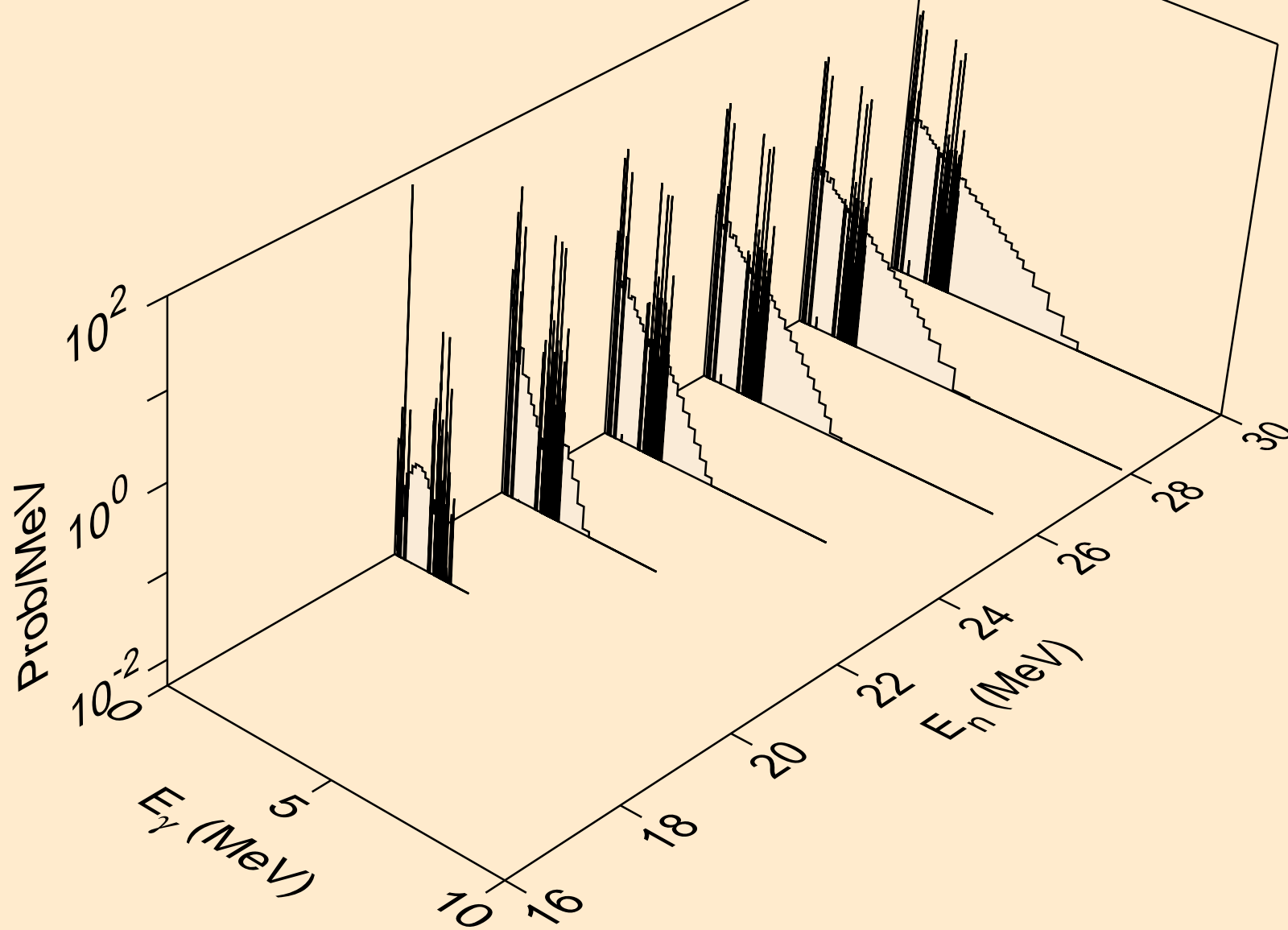
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



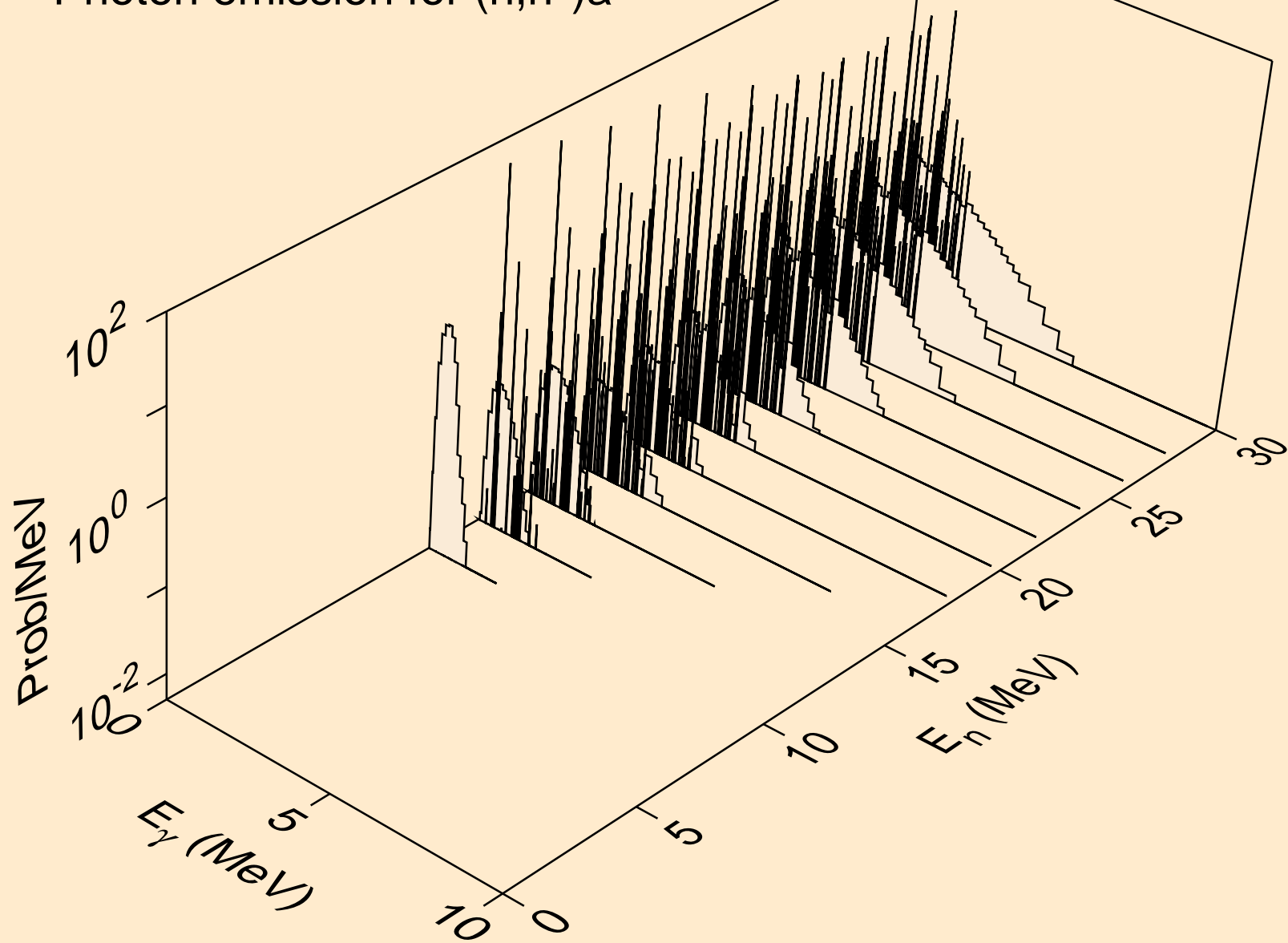
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



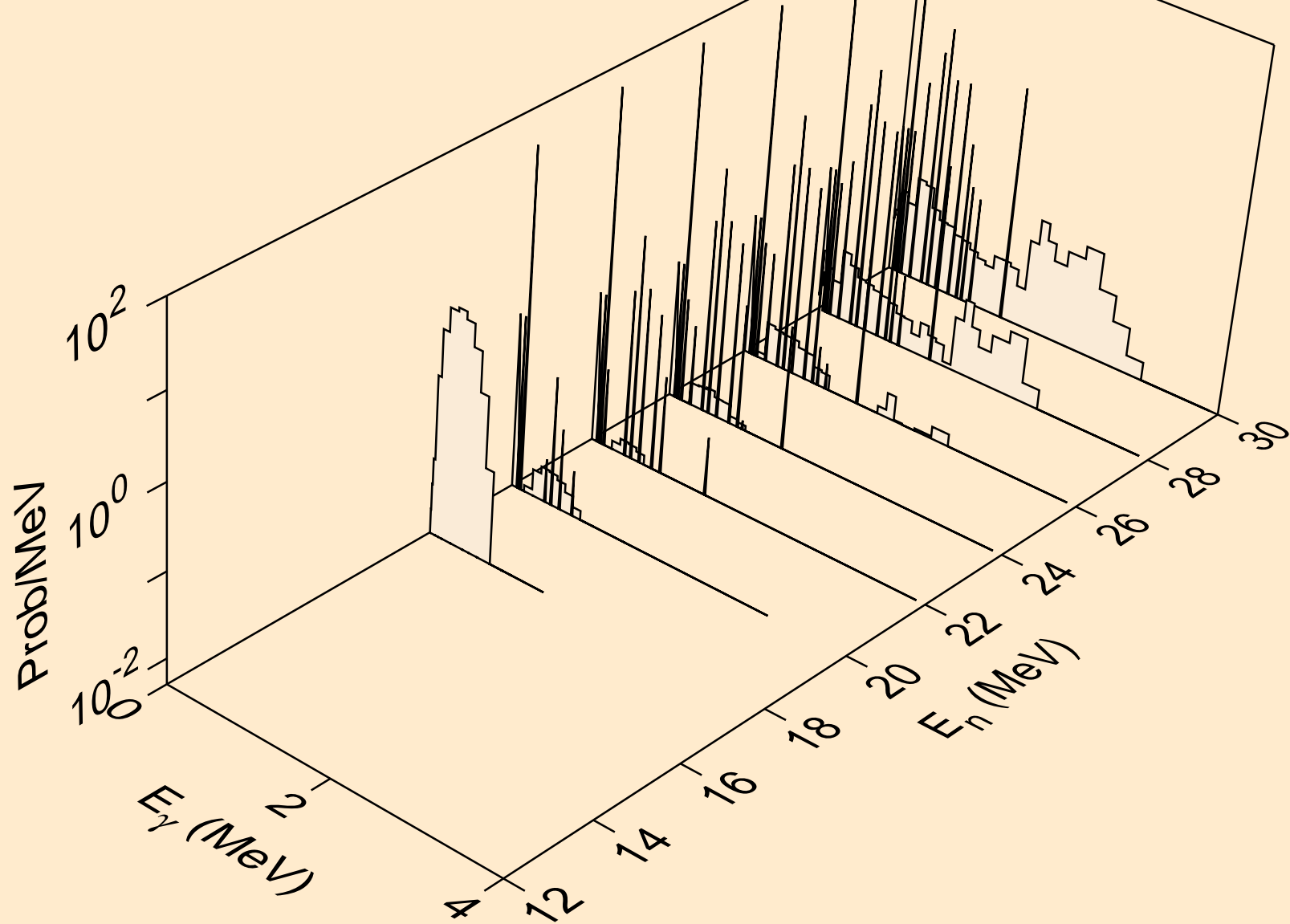
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



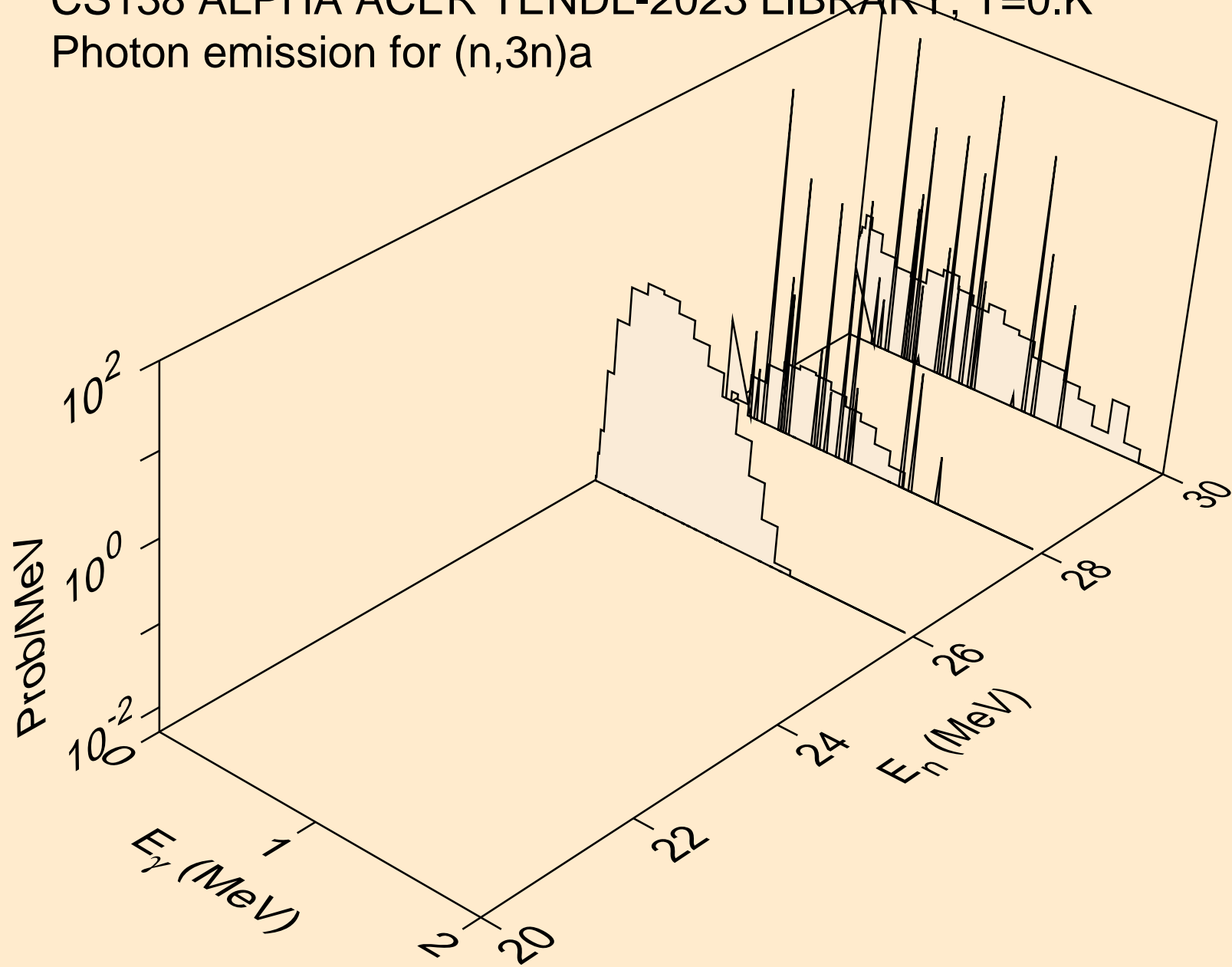
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



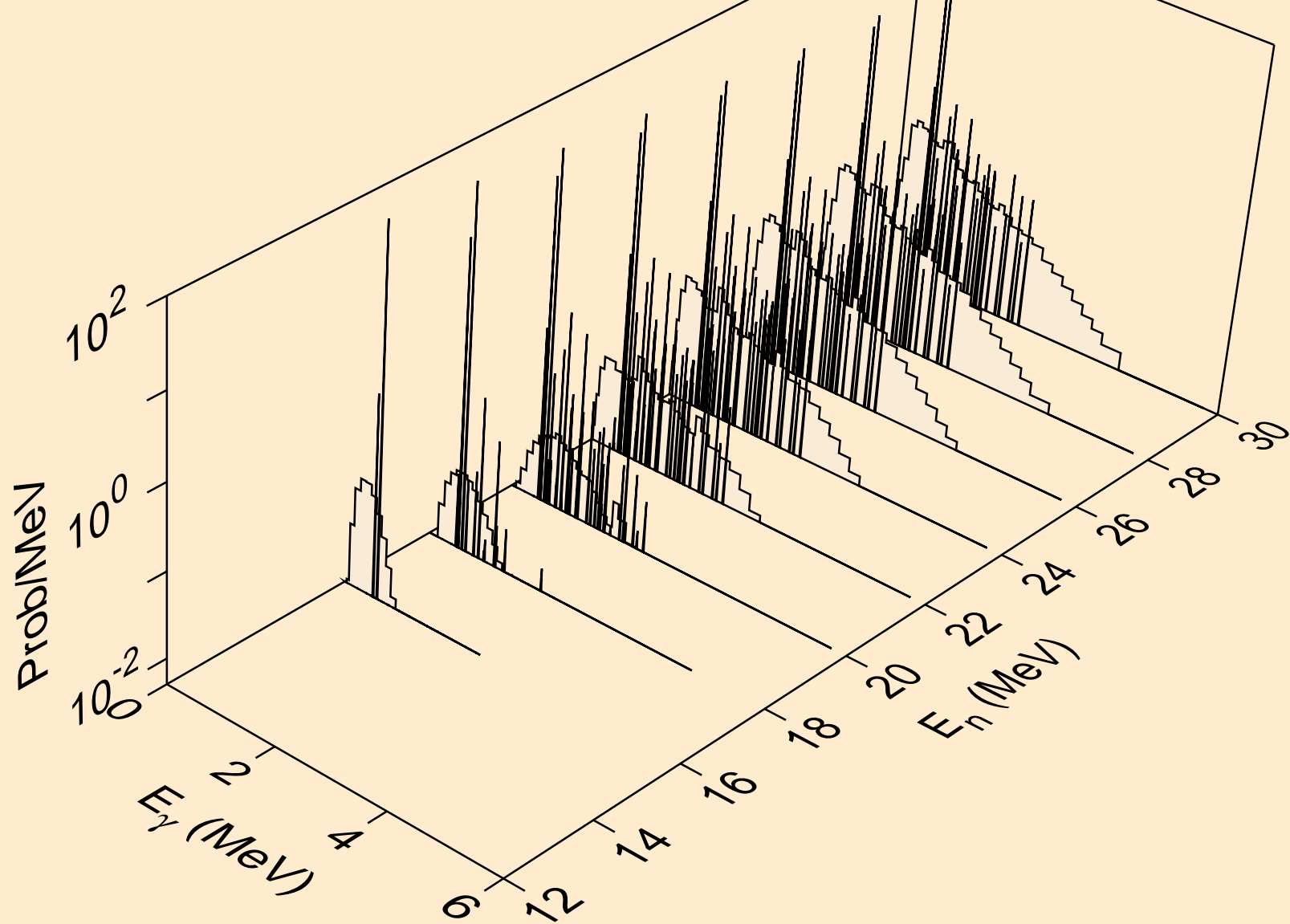
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Photon emission for (n,2n)a



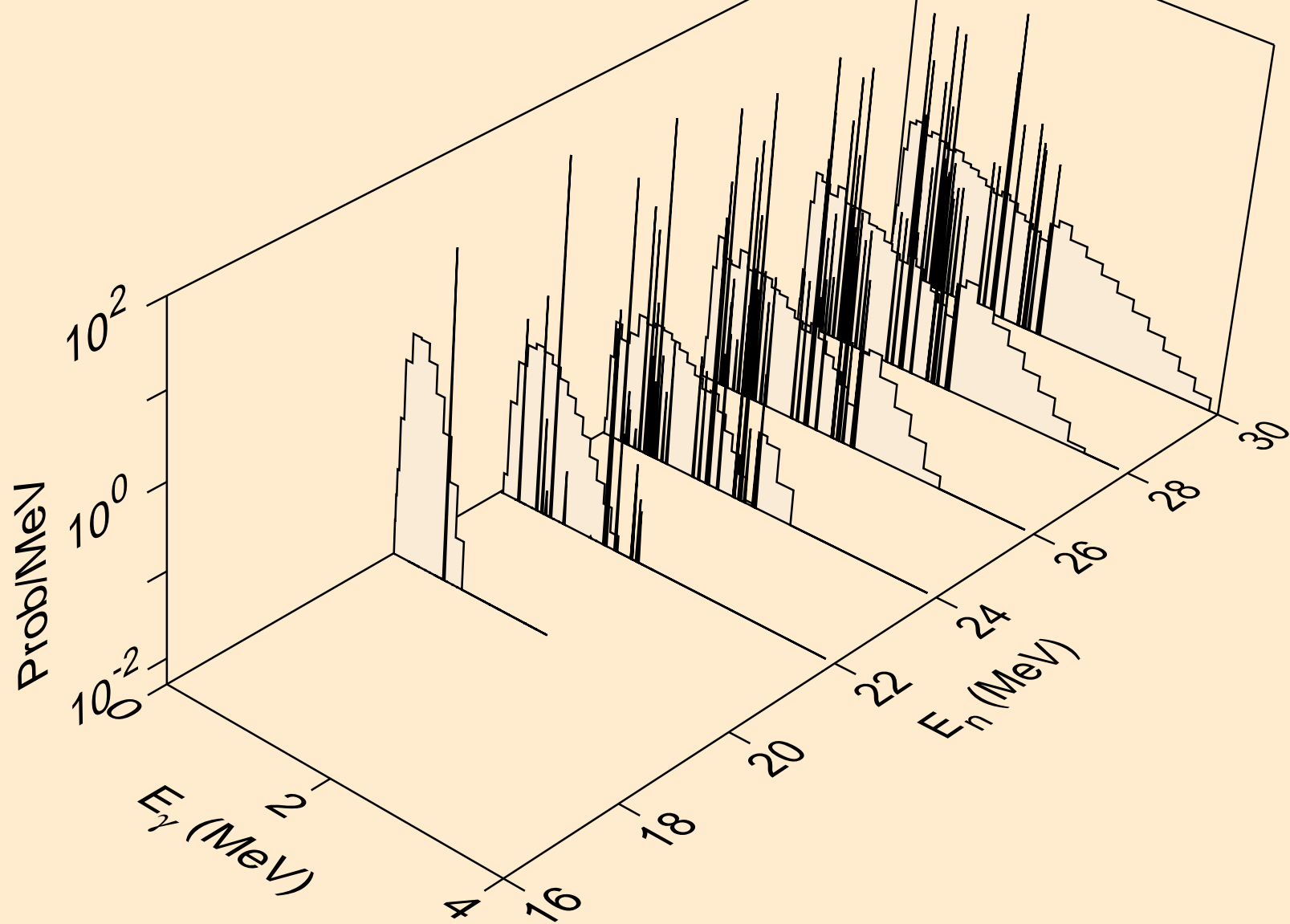
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Photon emission for (n,3n)a



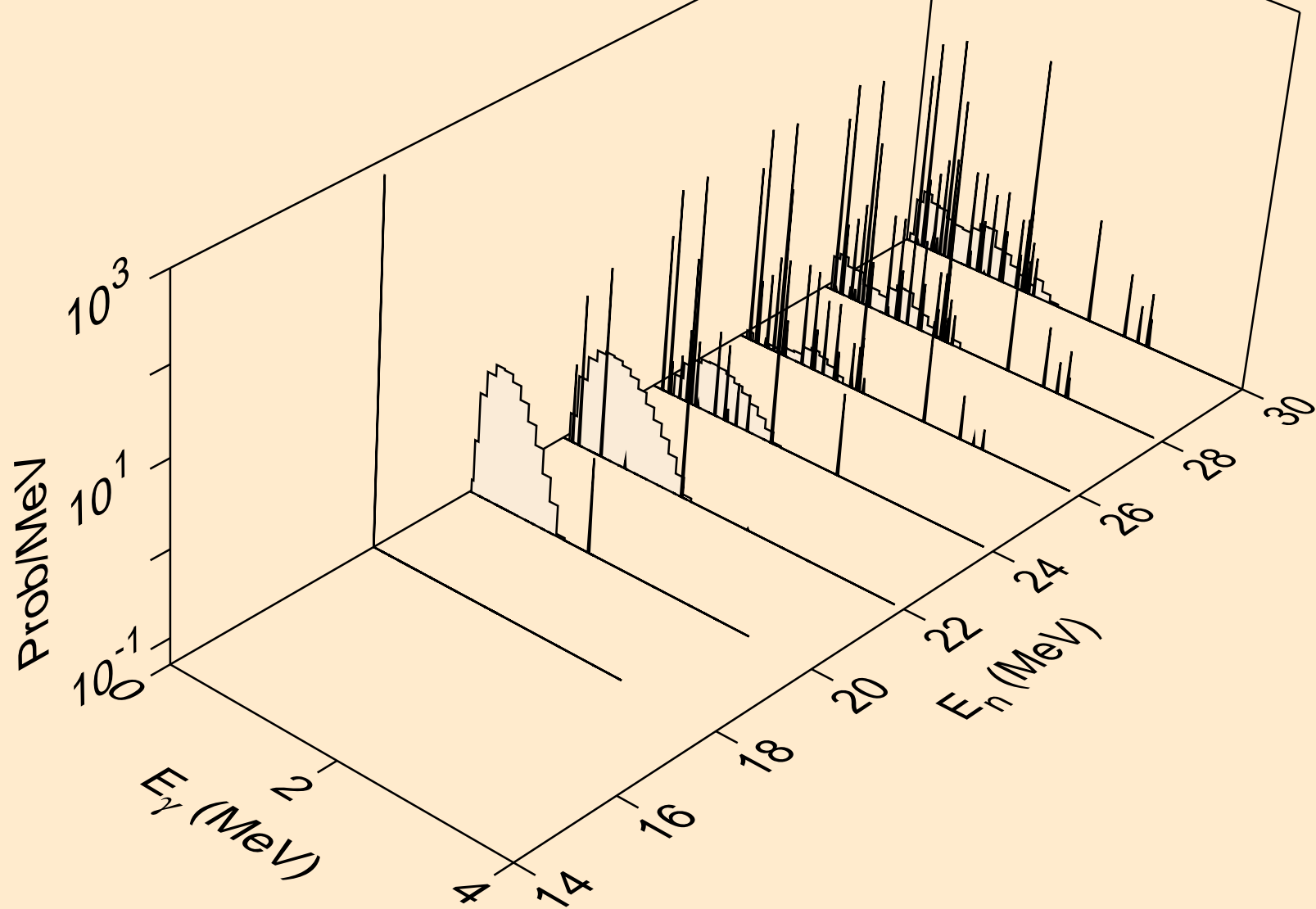
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



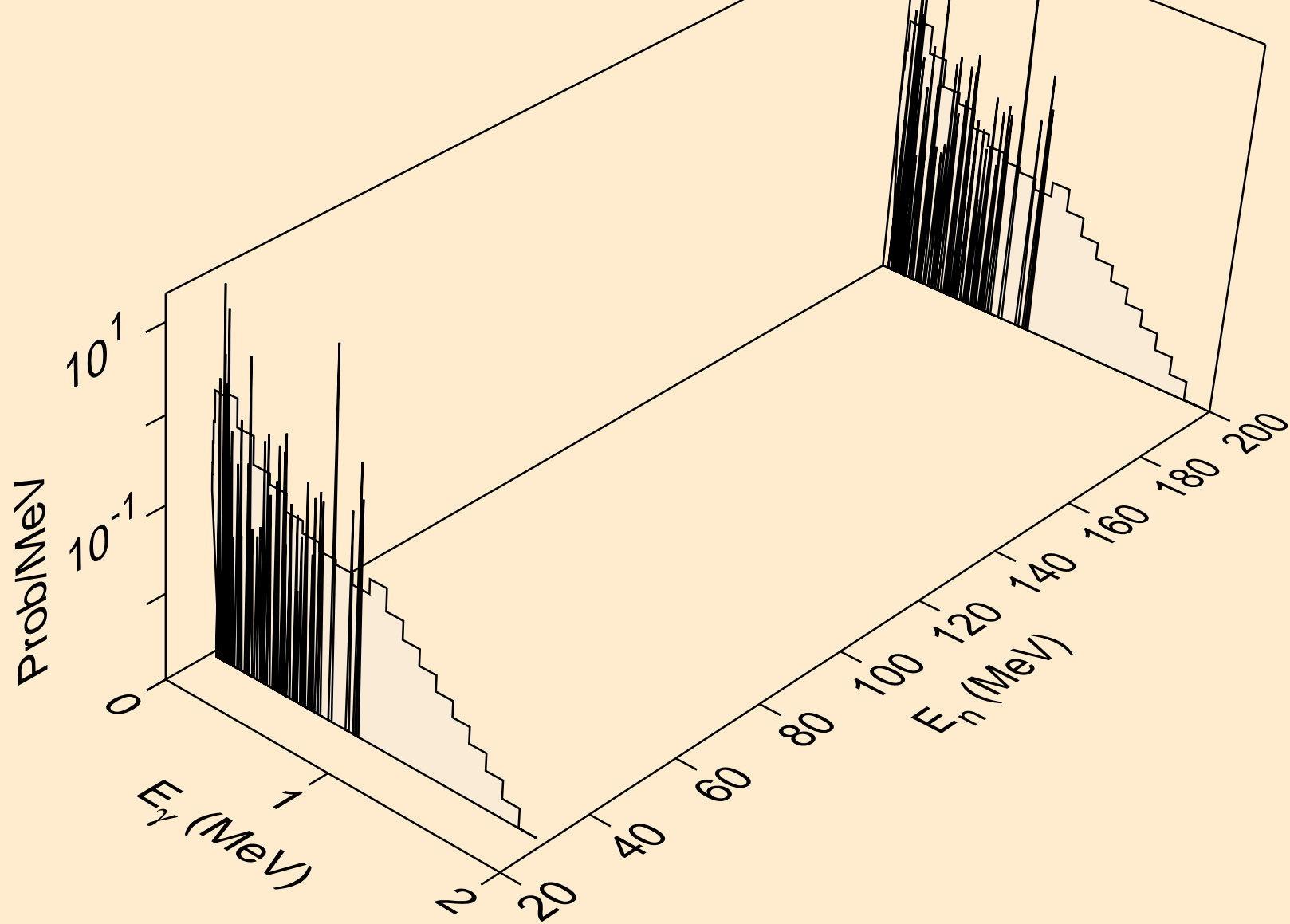
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



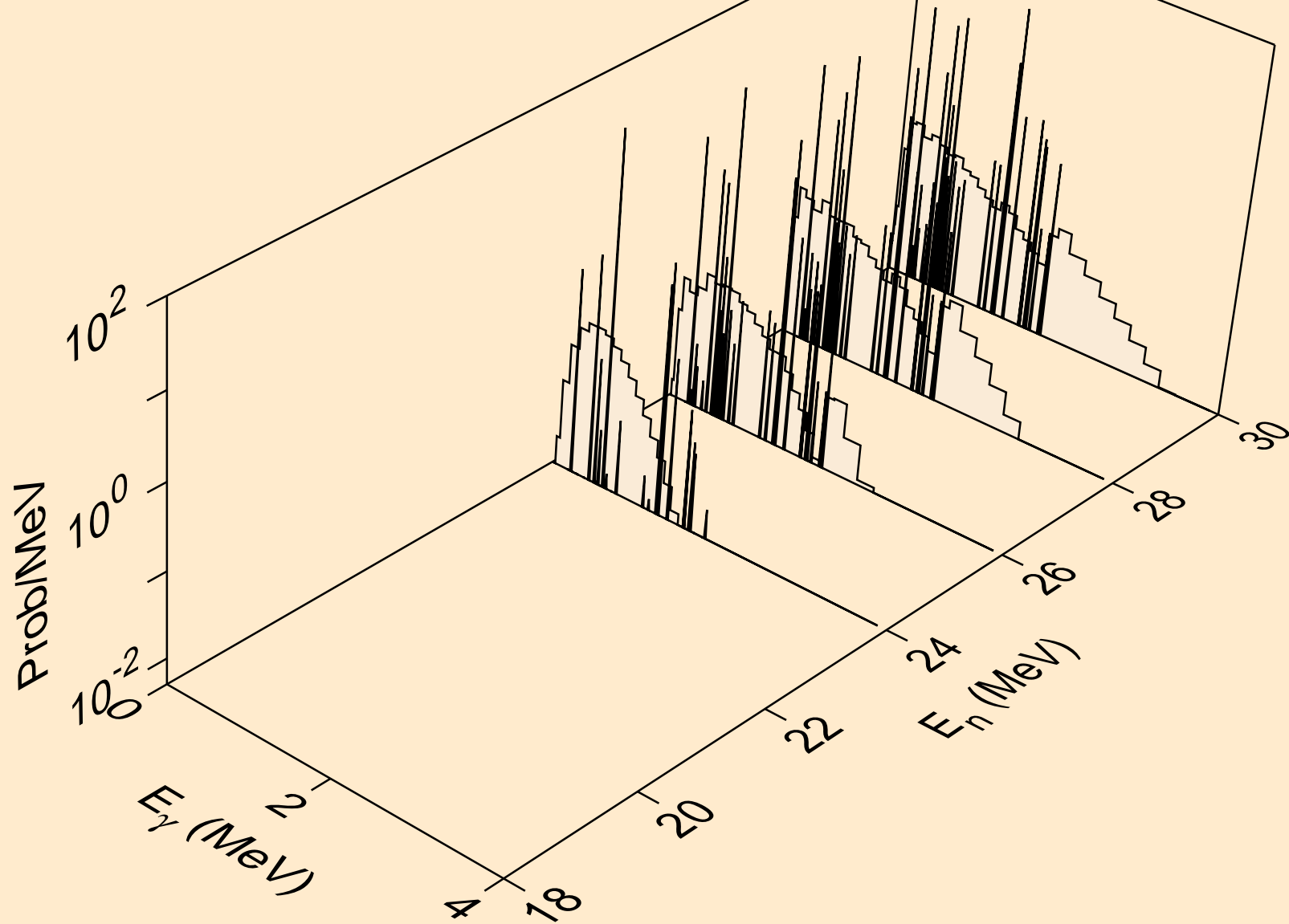
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



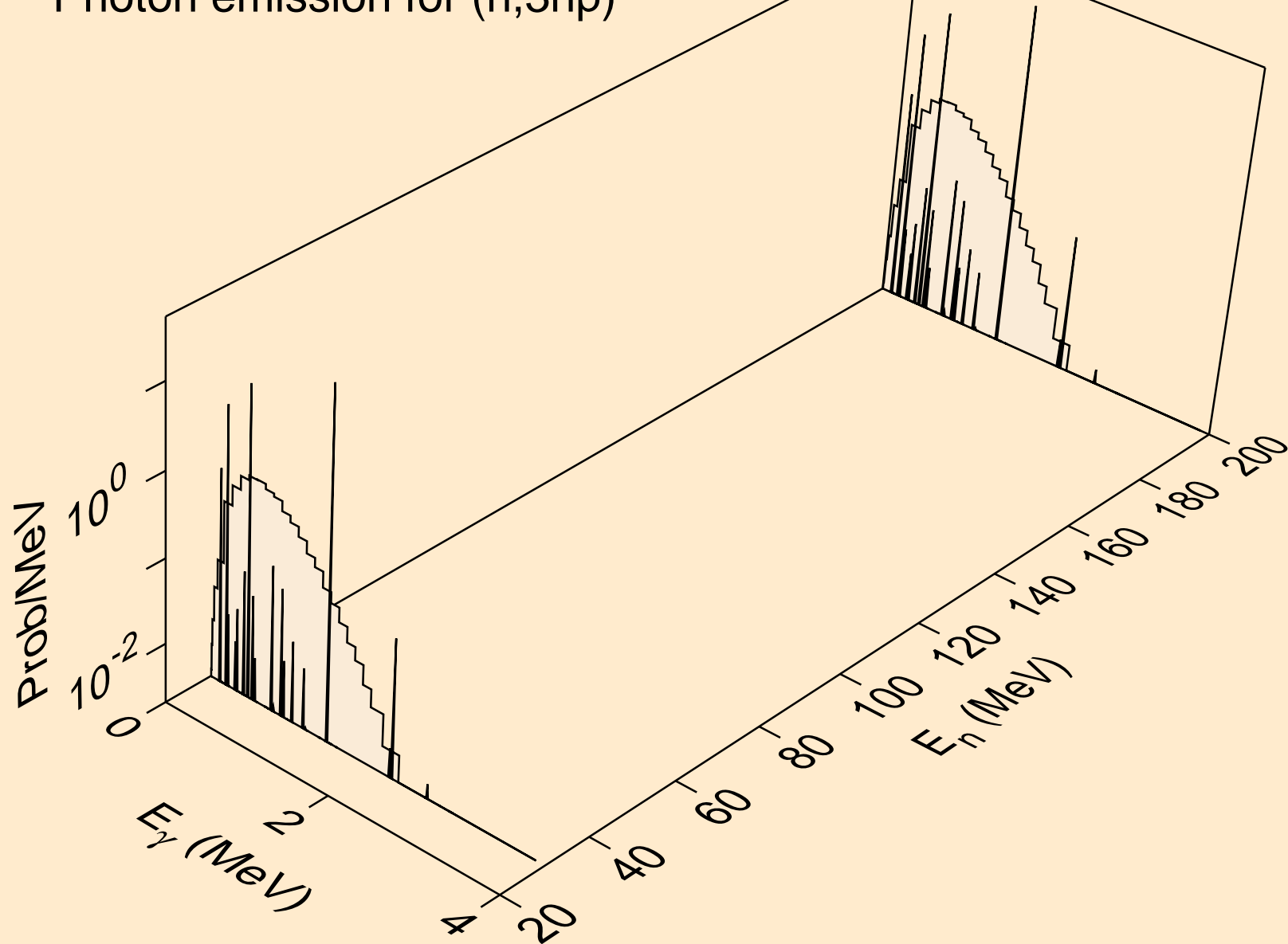
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



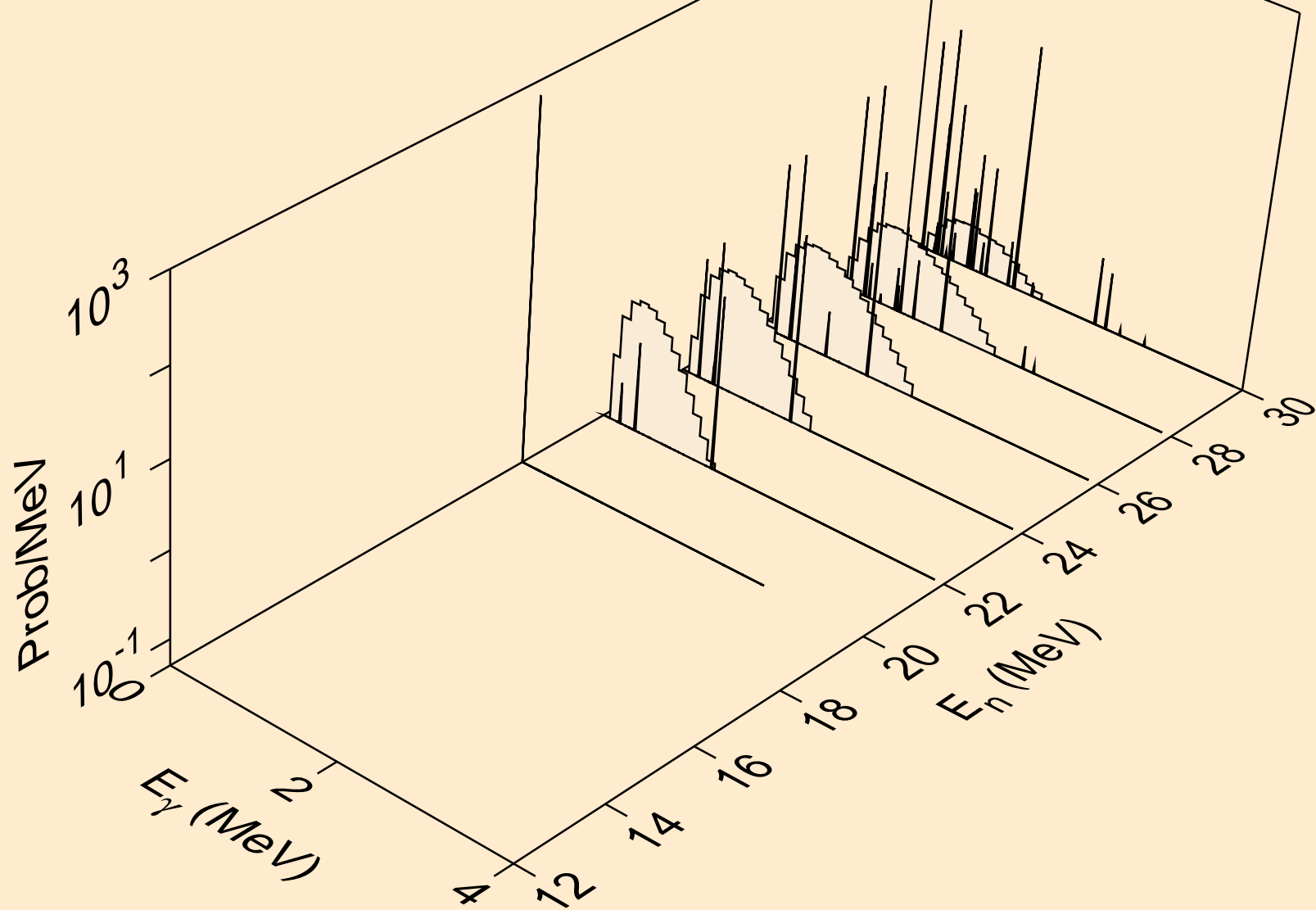
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Photon emission for (n,2np)



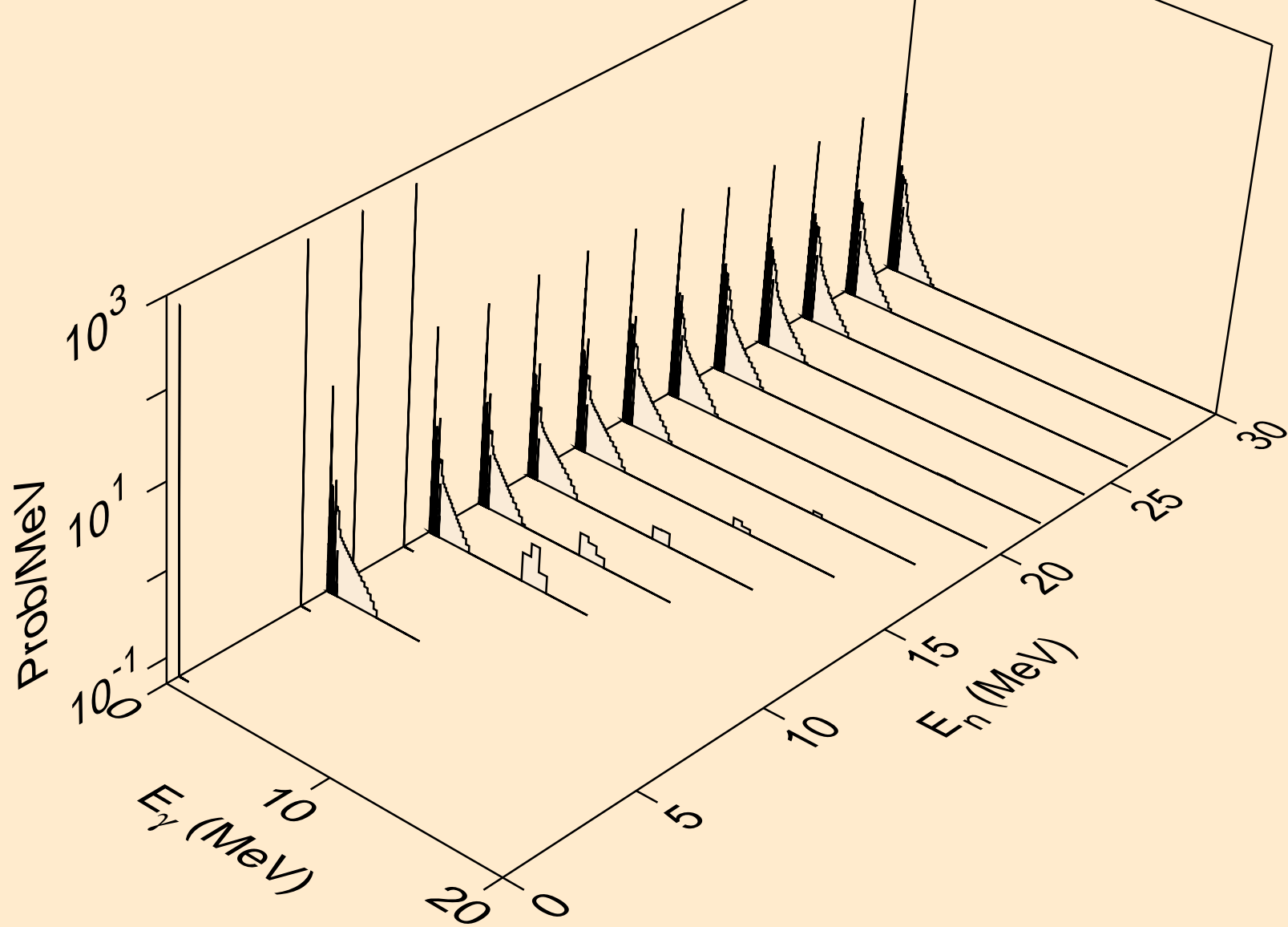
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Photon emission for (n,3np)



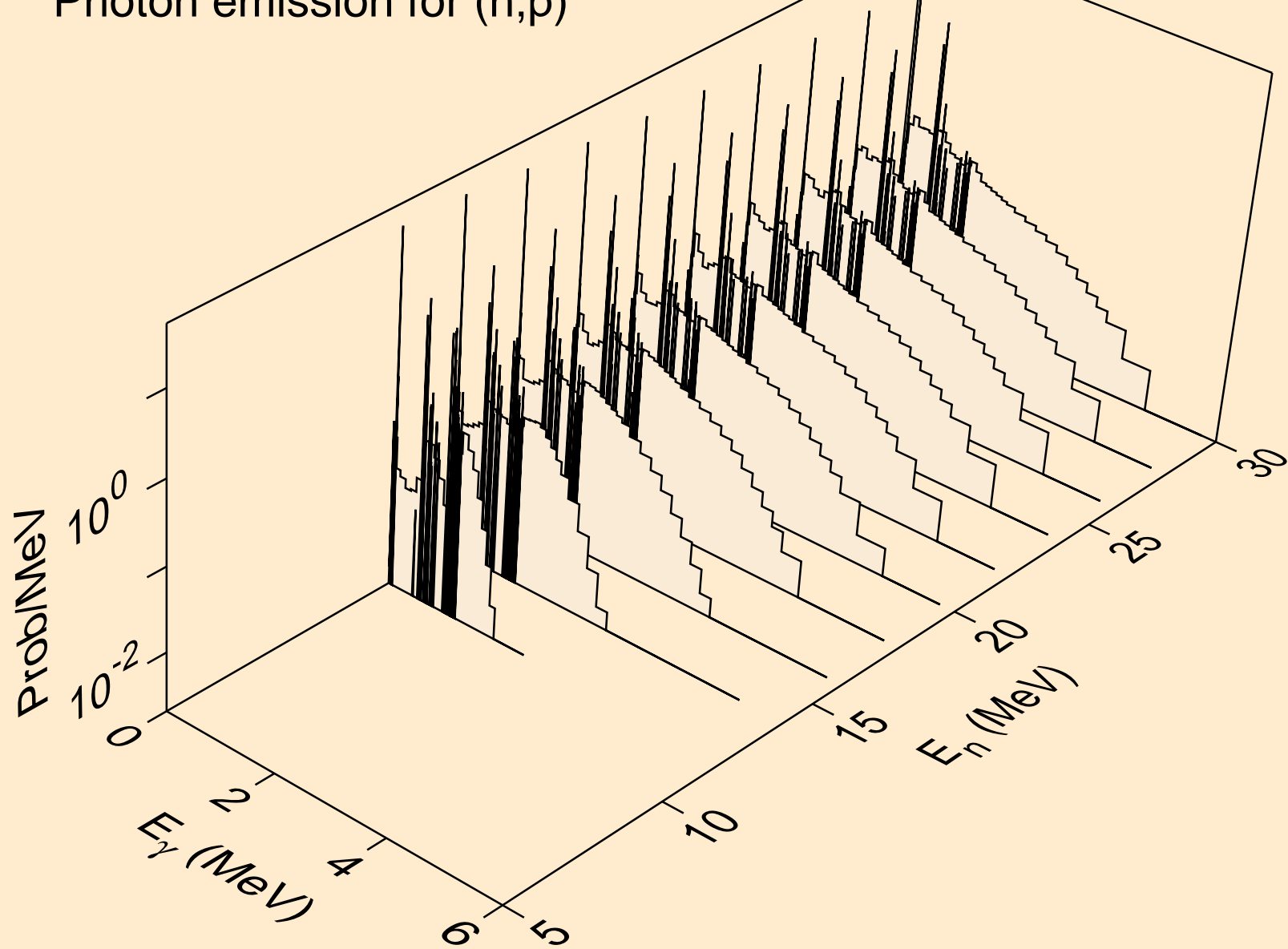
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Photon emission for (n,npa)



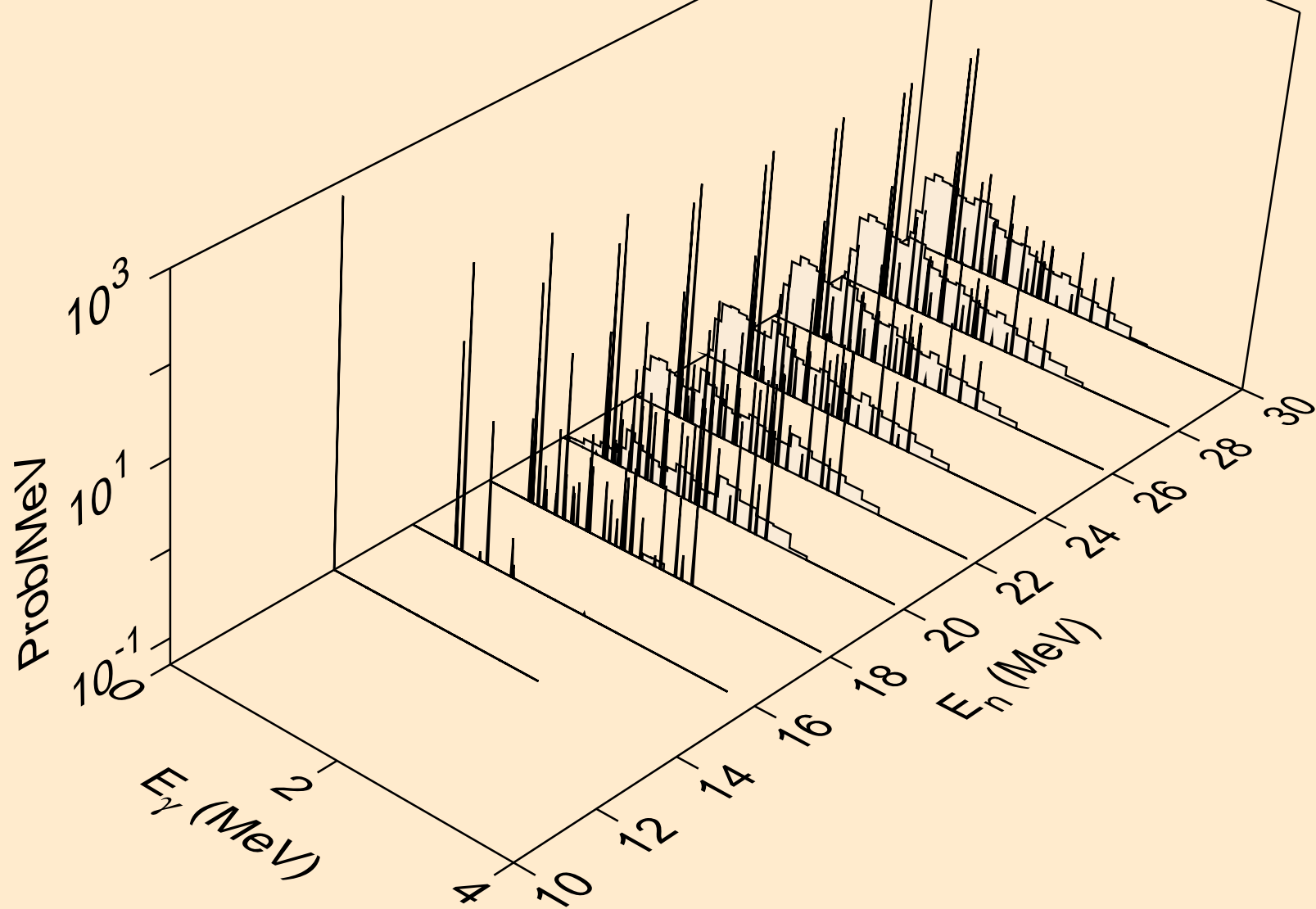
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Photon emission for (n,gma)



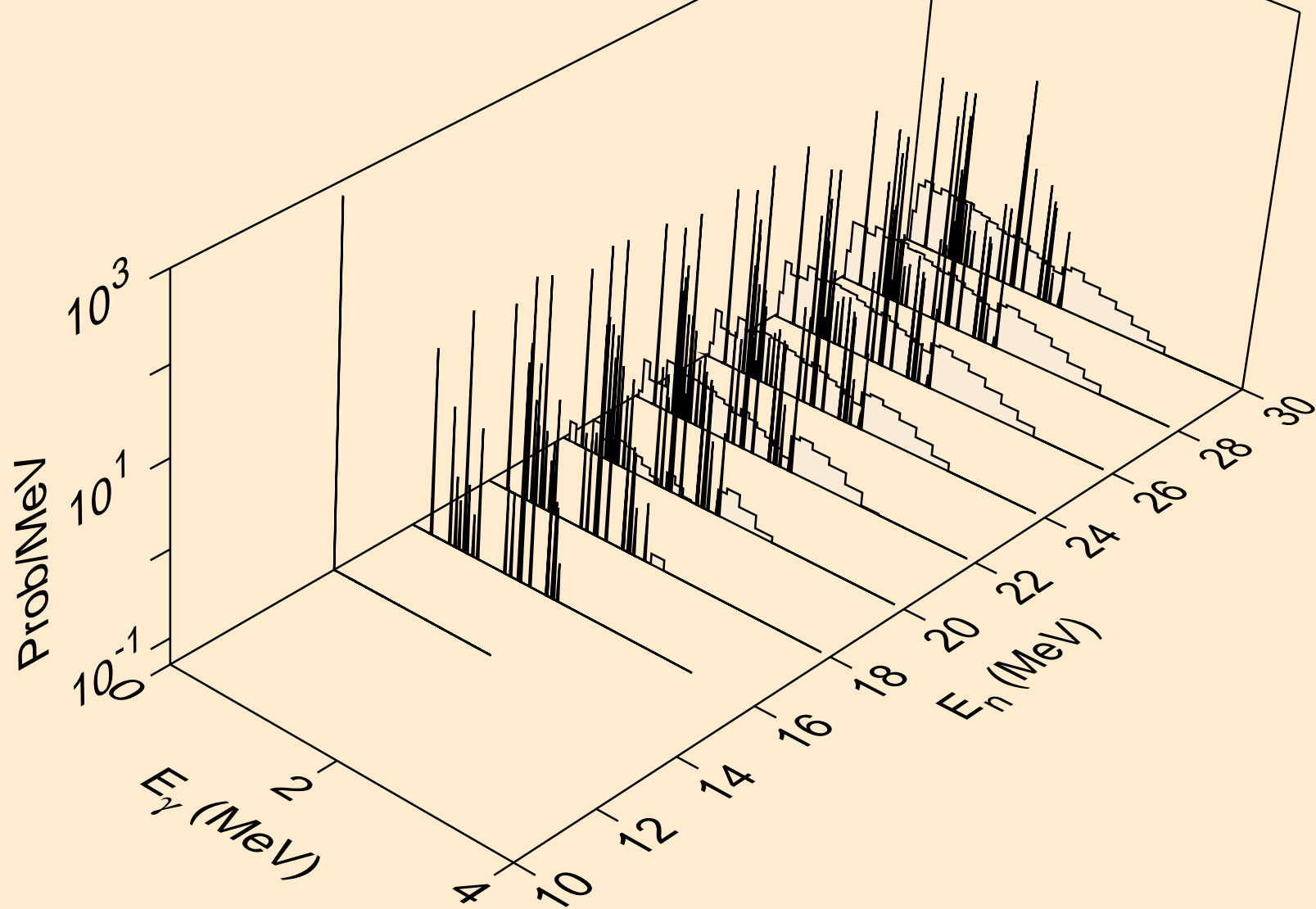
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Photon emission for (n,p)



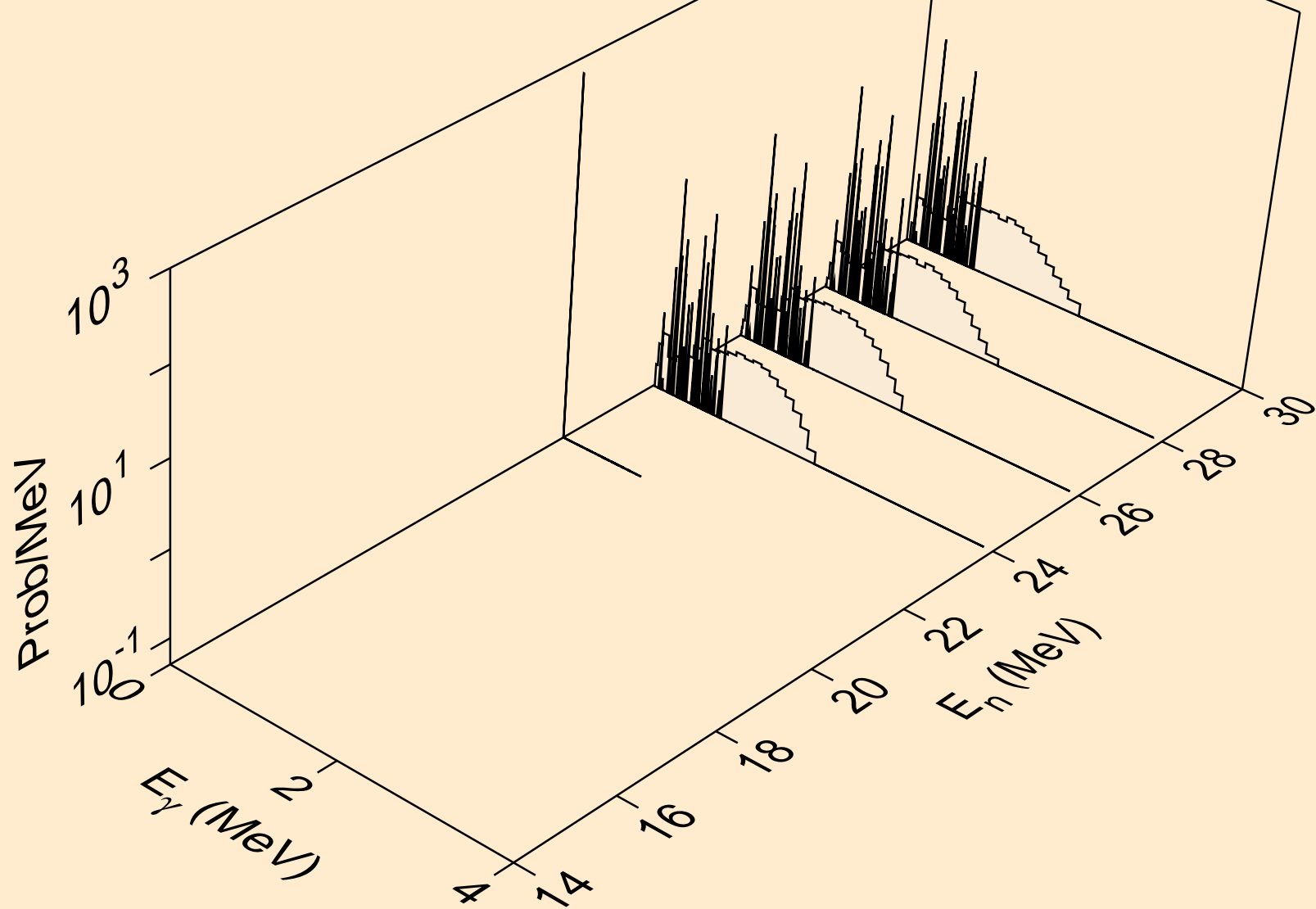
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Photon emission for (n,d)



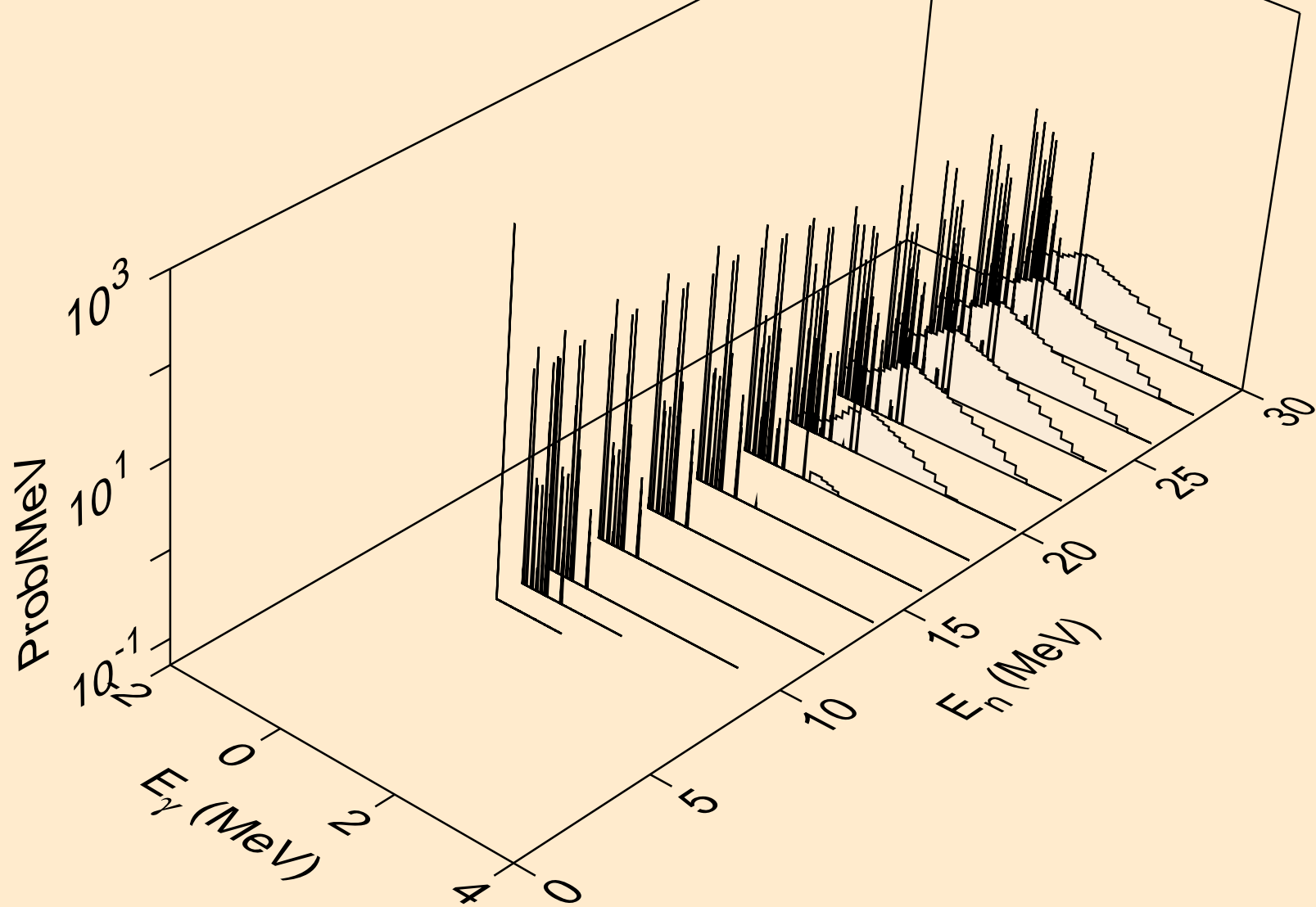
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



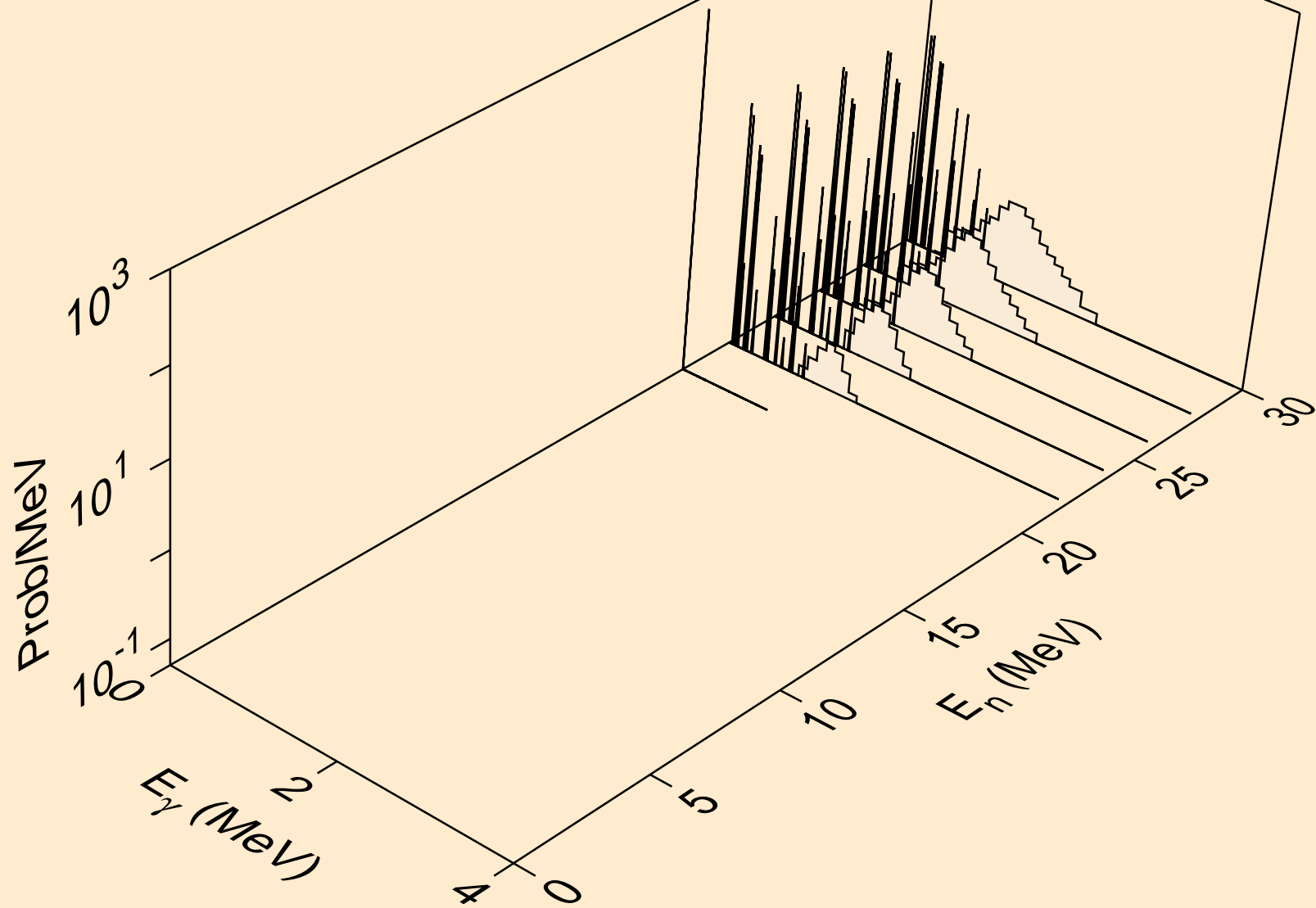
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



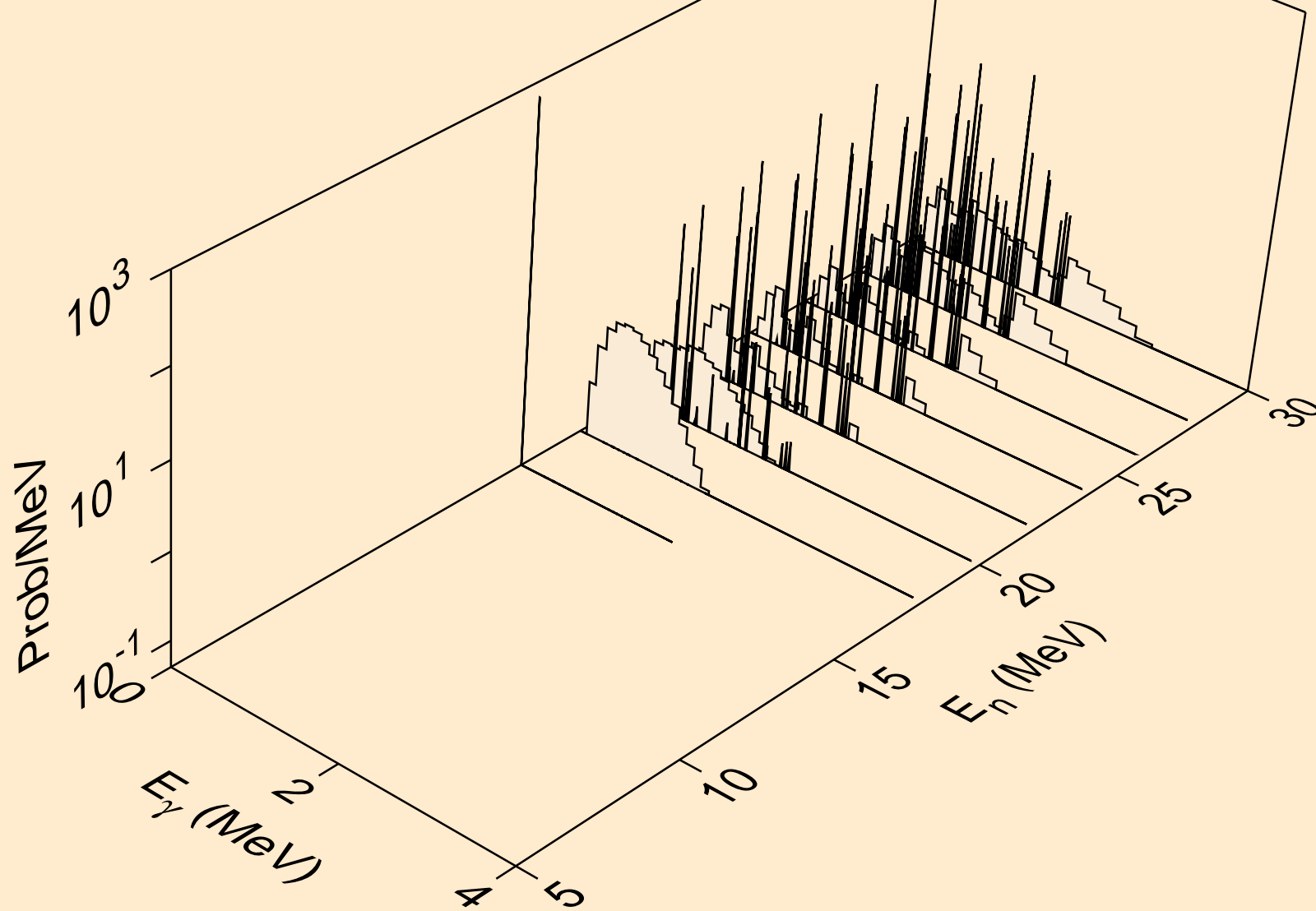
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for inelastic



CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

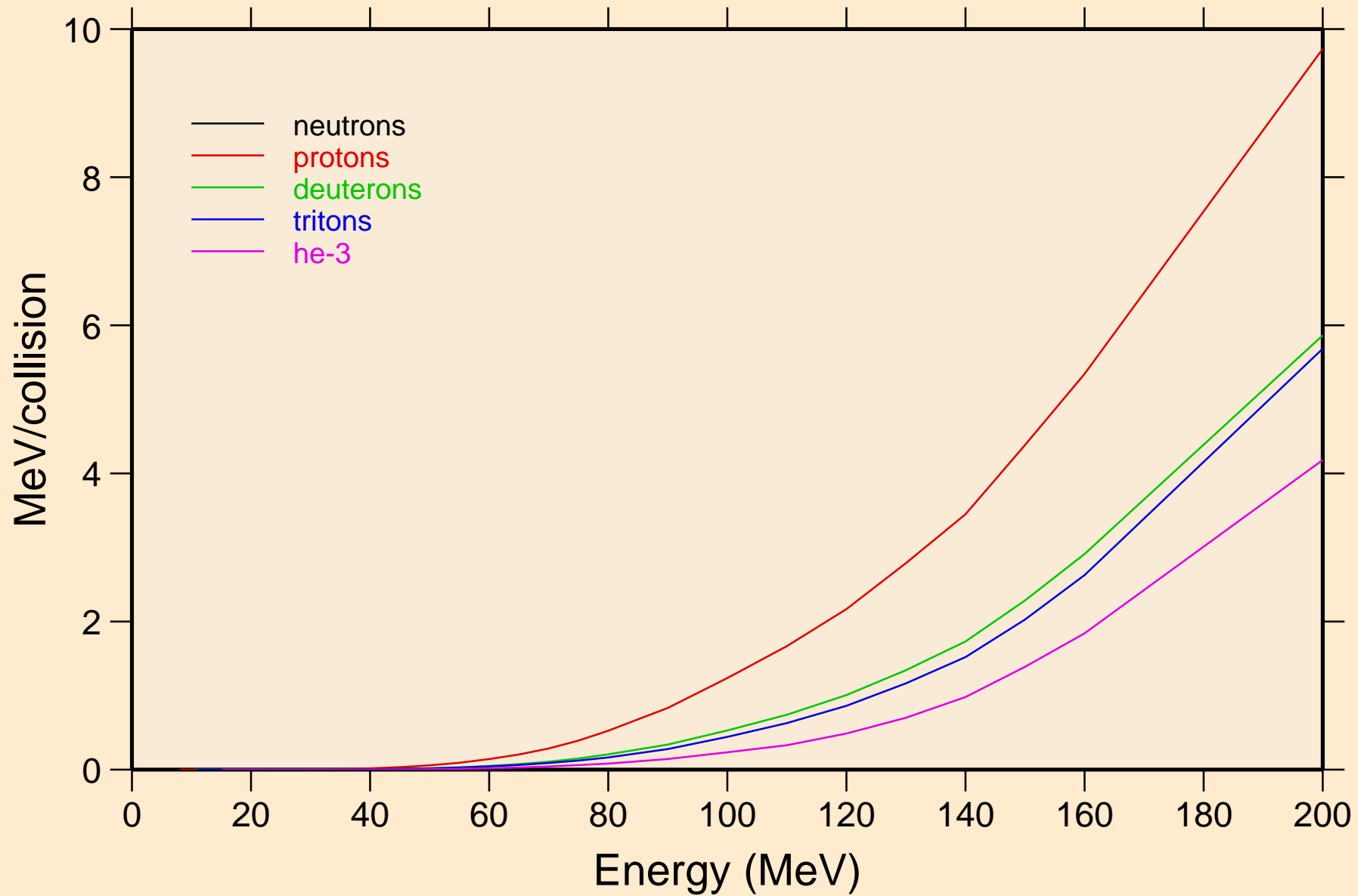


CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pa)

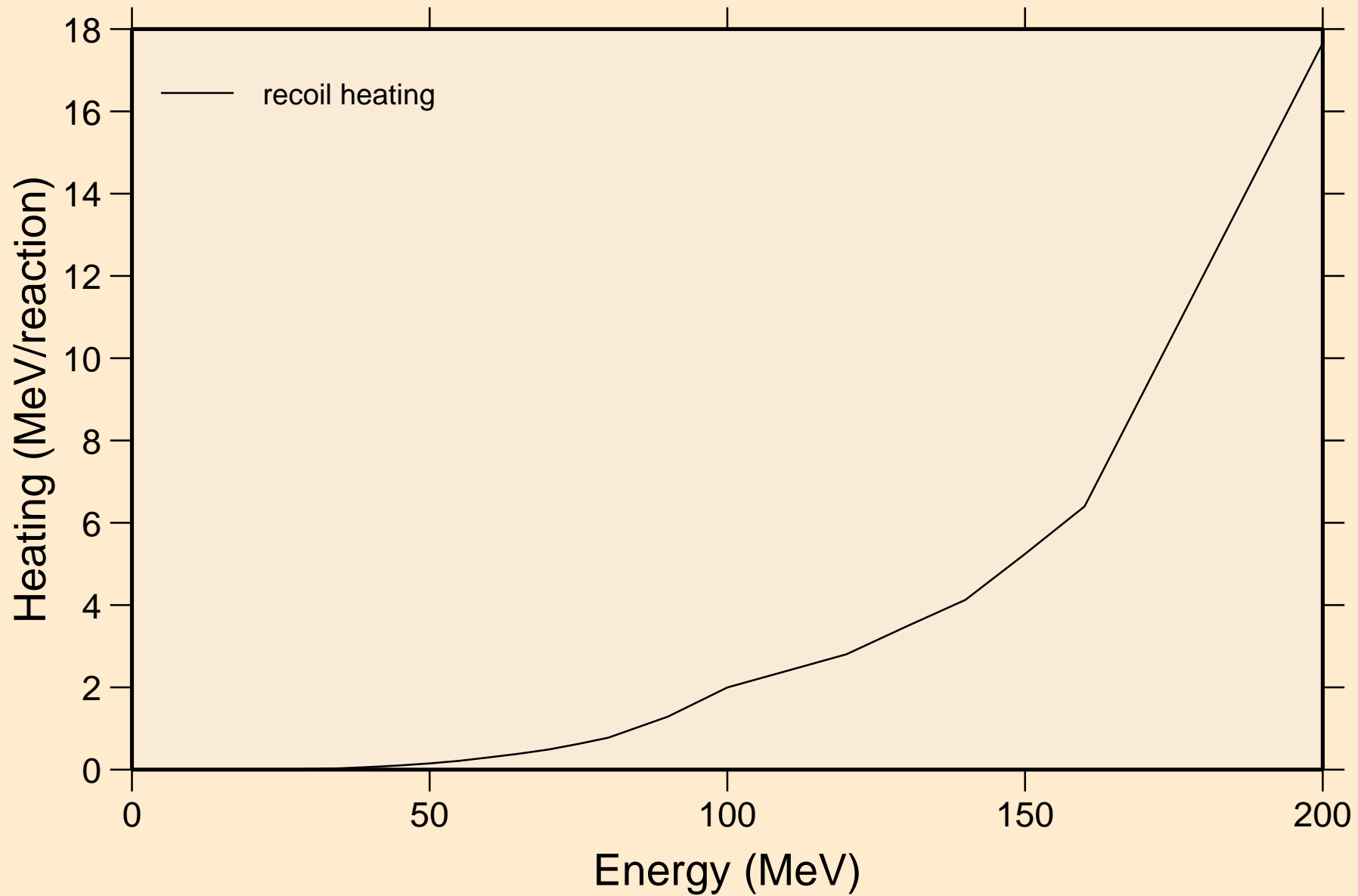


# CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K

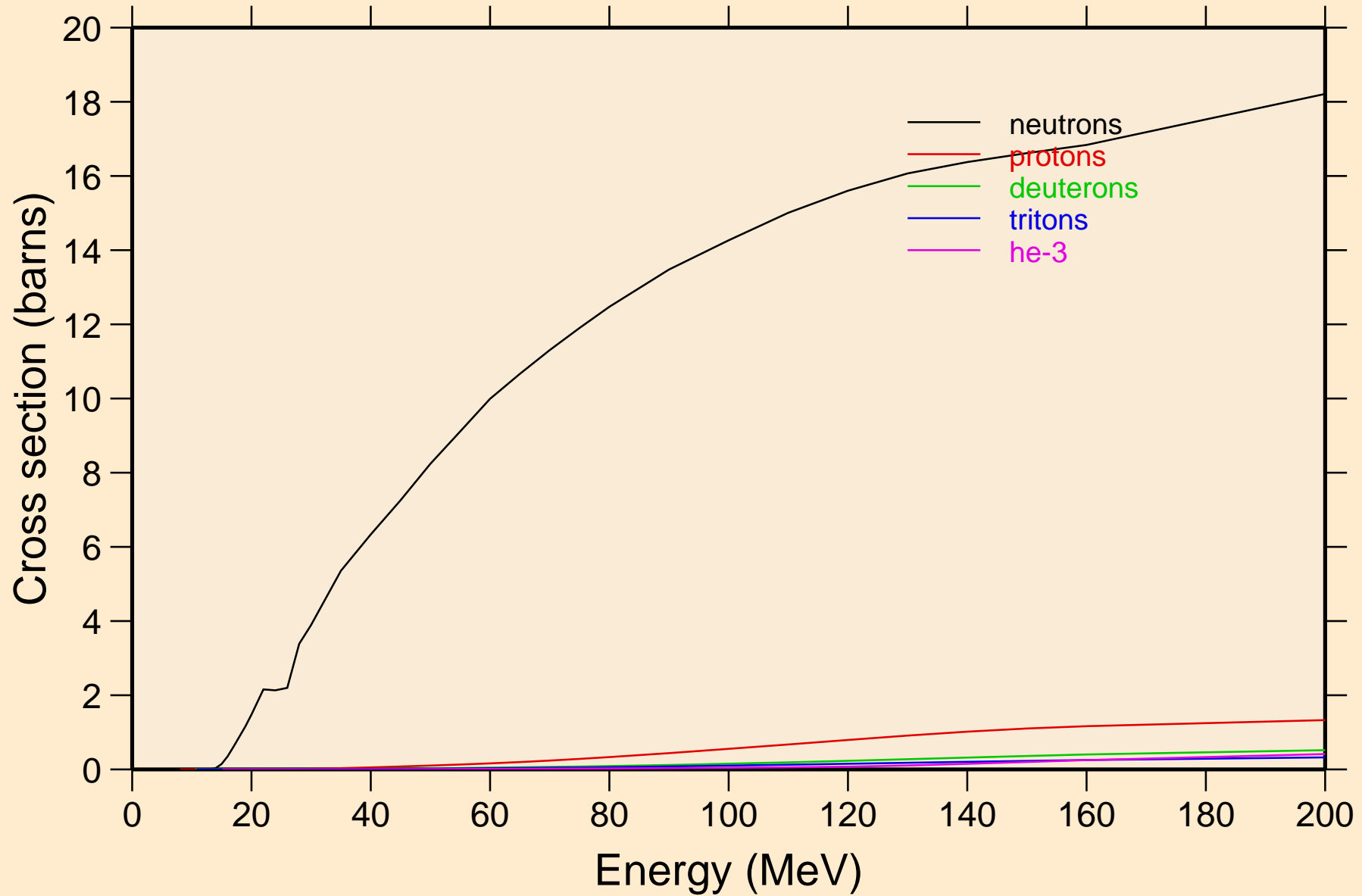
## Particle heating contributions



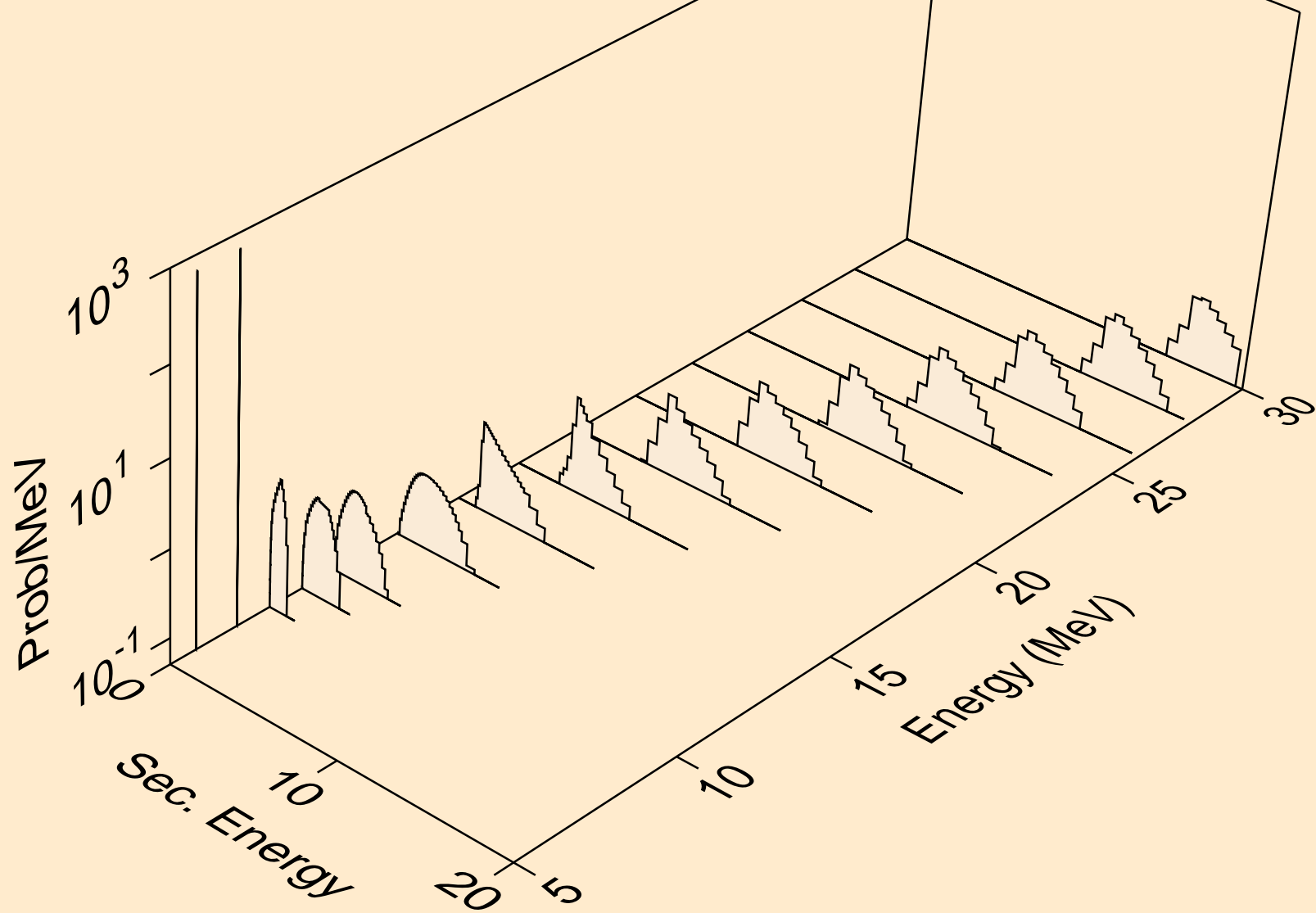
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating



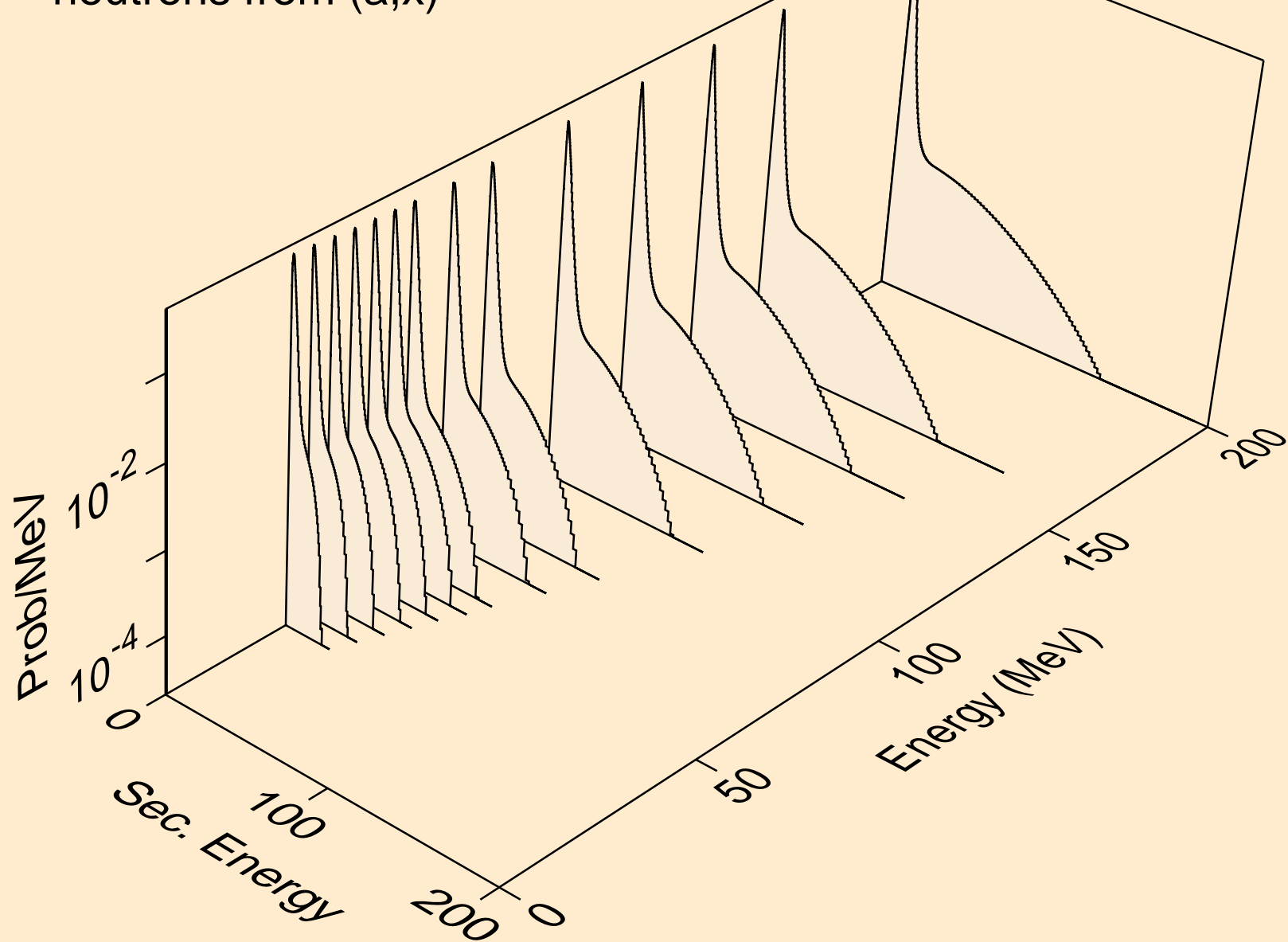
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



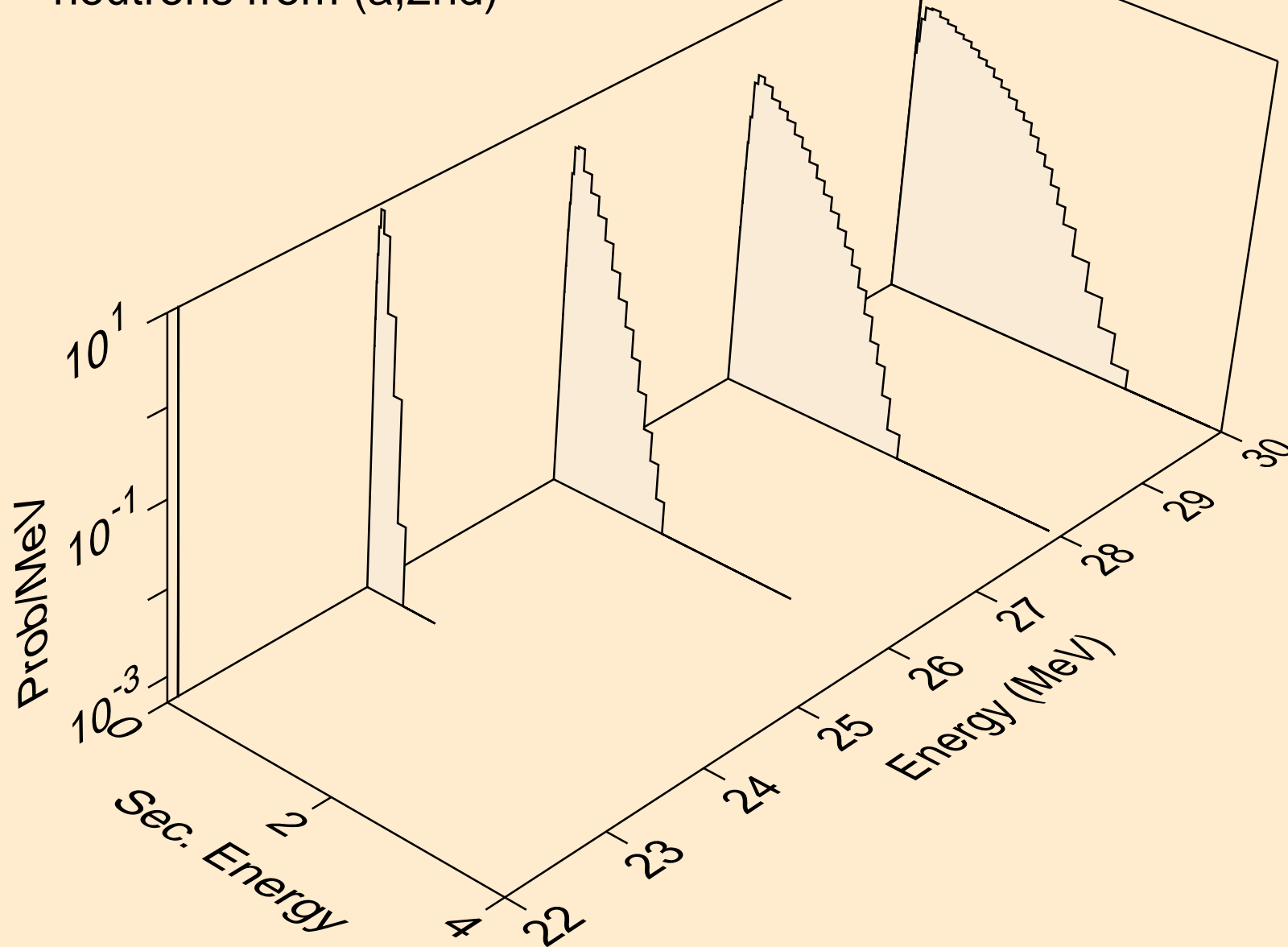
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n)



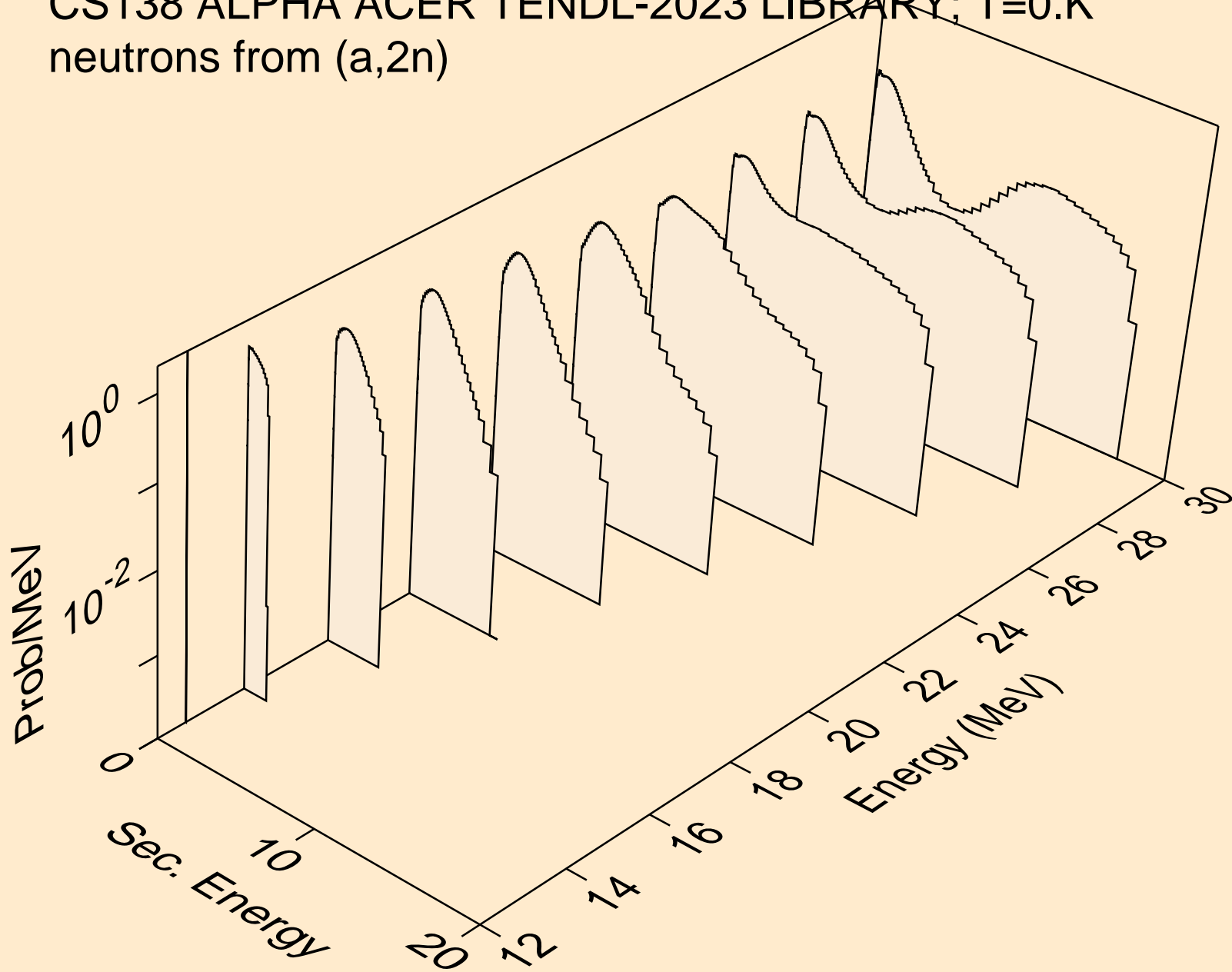
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,x)



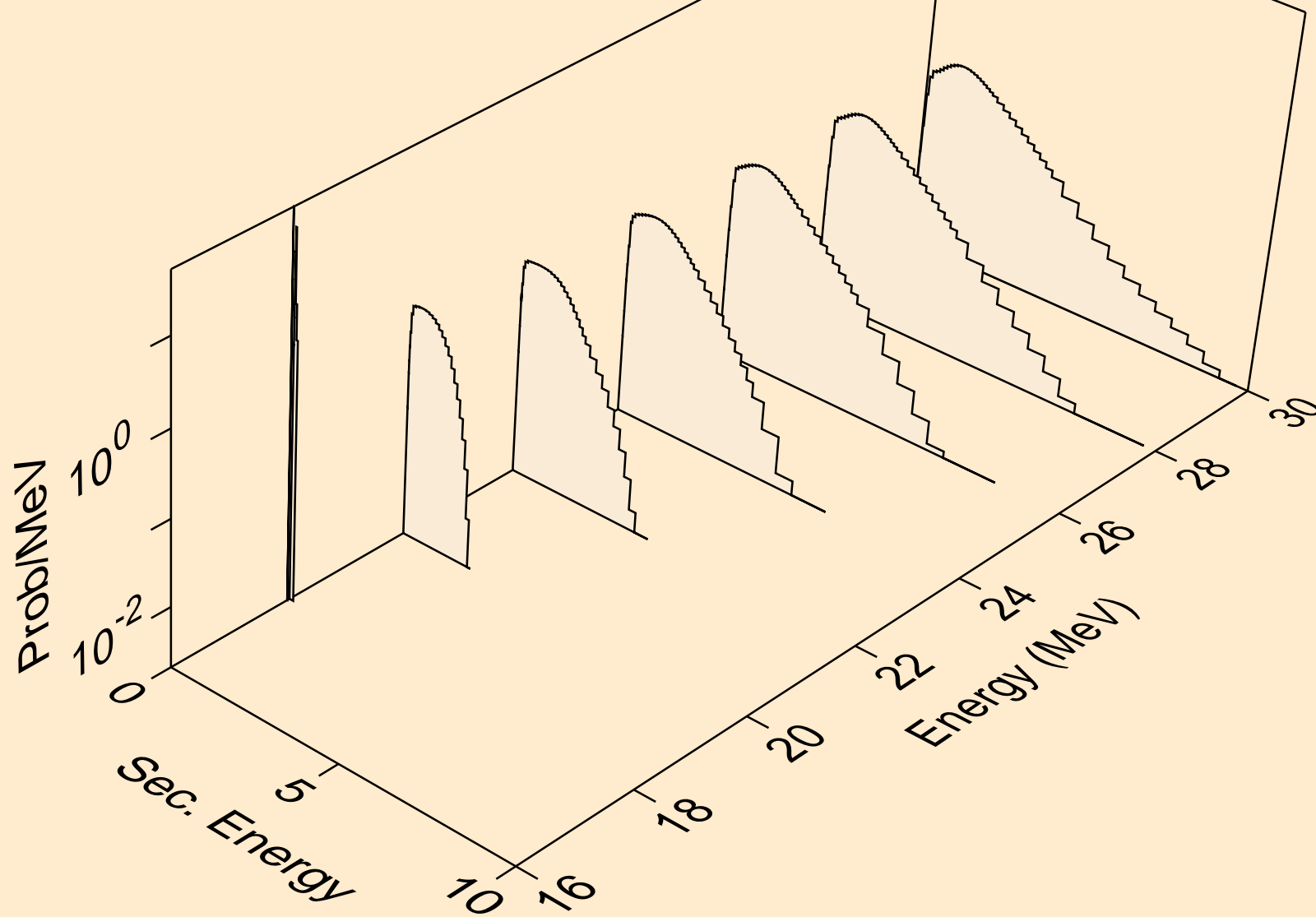
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neutrons from (a,2nd)



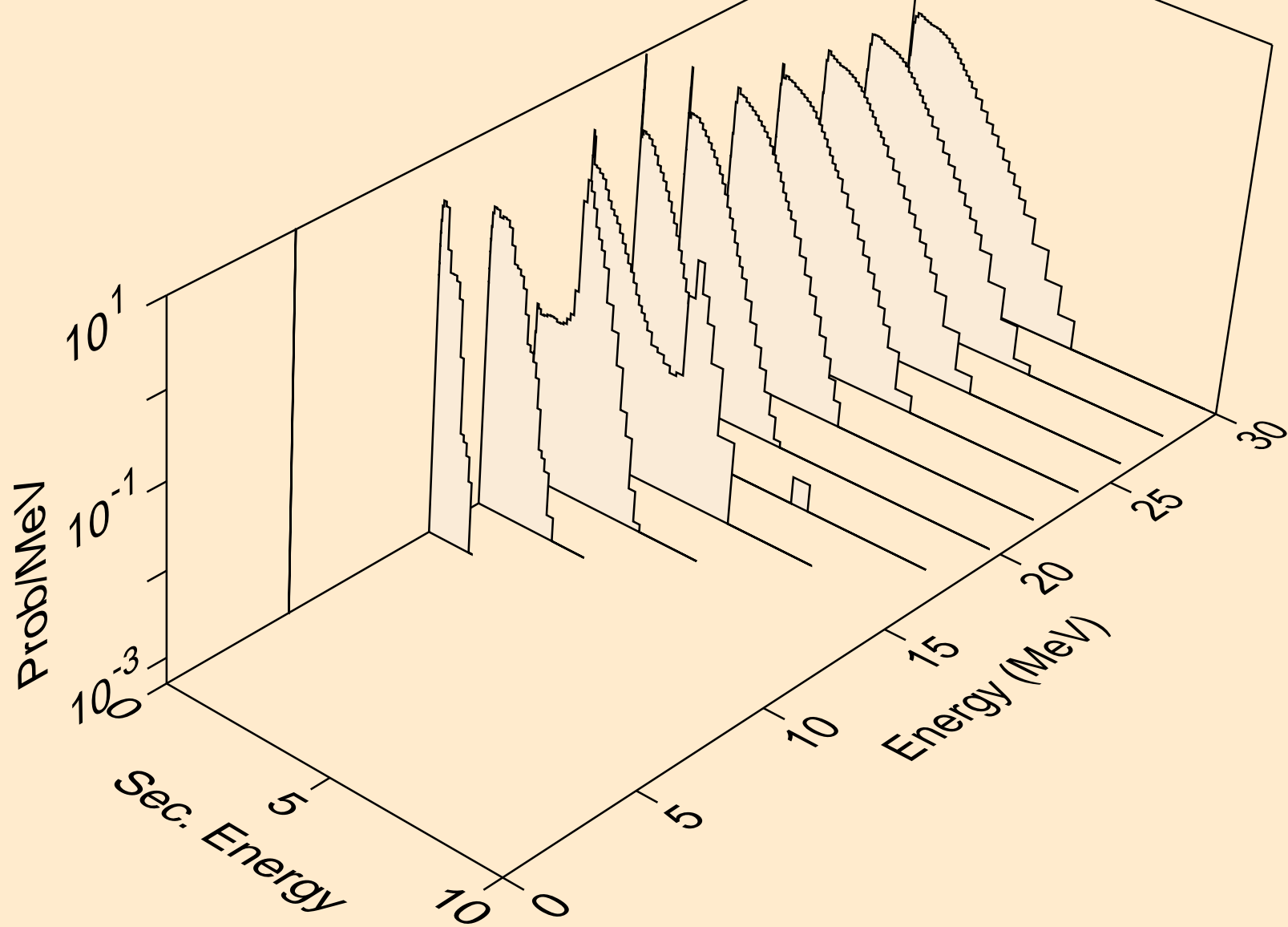
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neutrons from (a,2n)



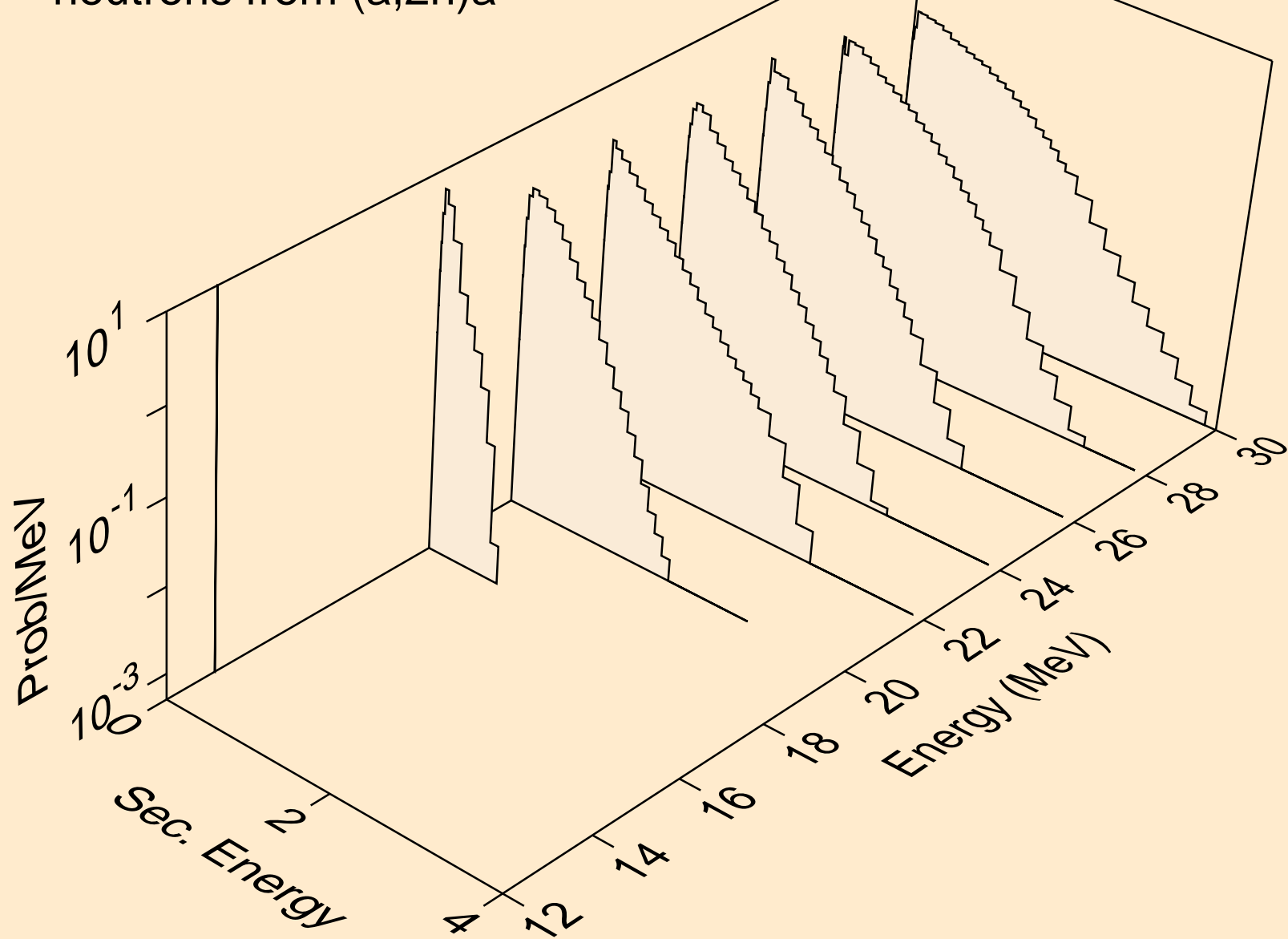
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,3n)



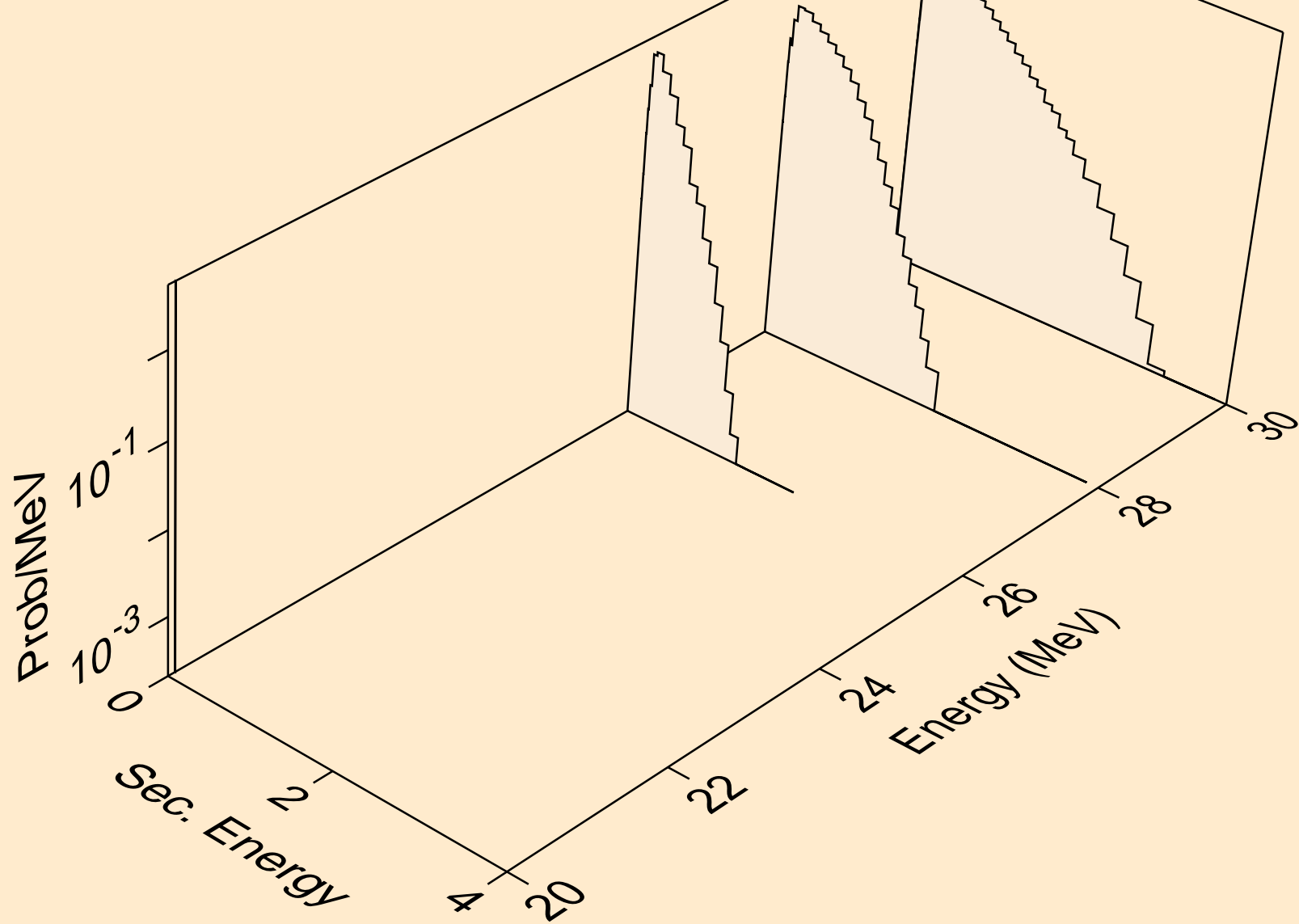
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,n\*)a



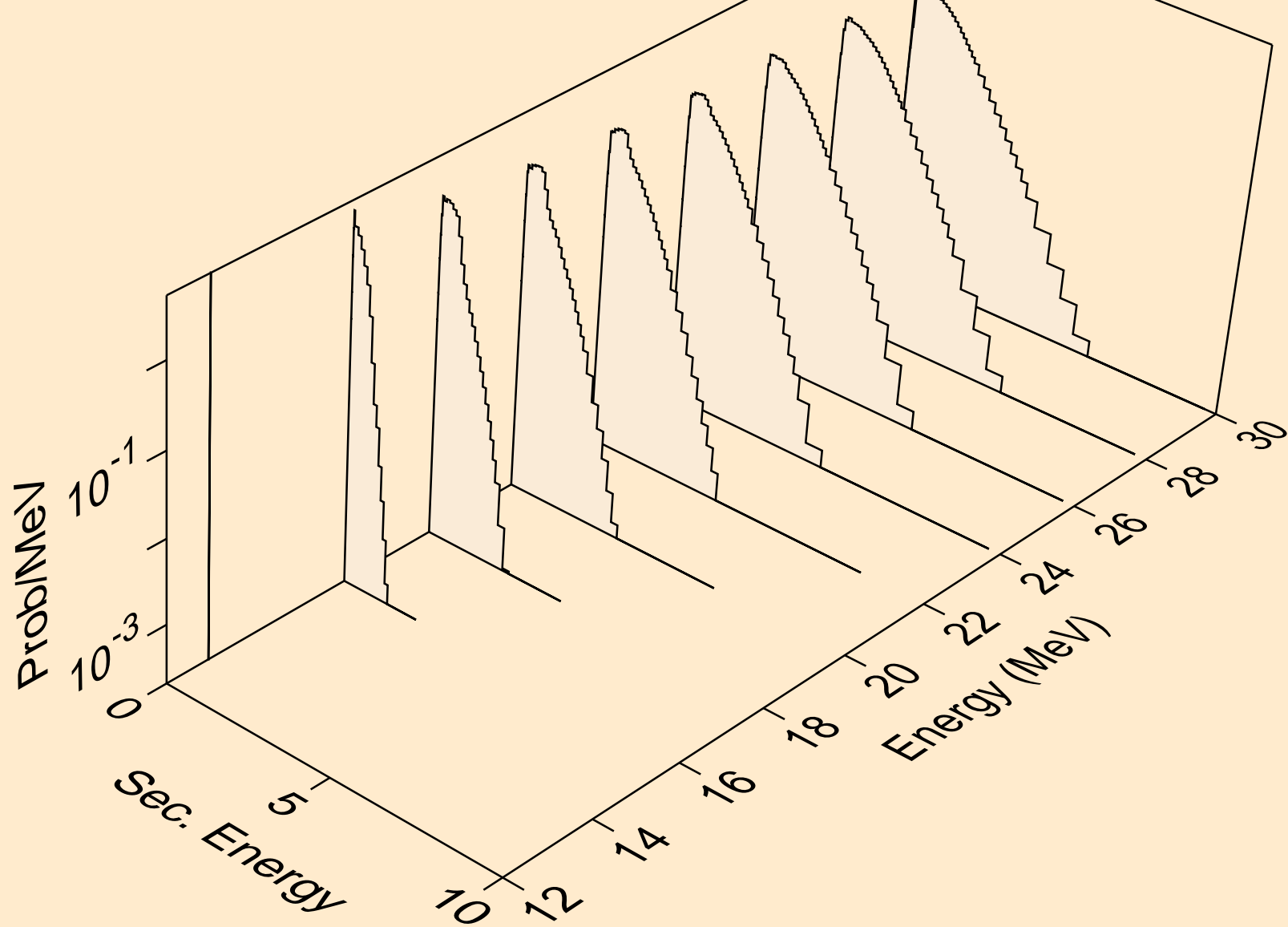
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neutrons from (a,2n)a



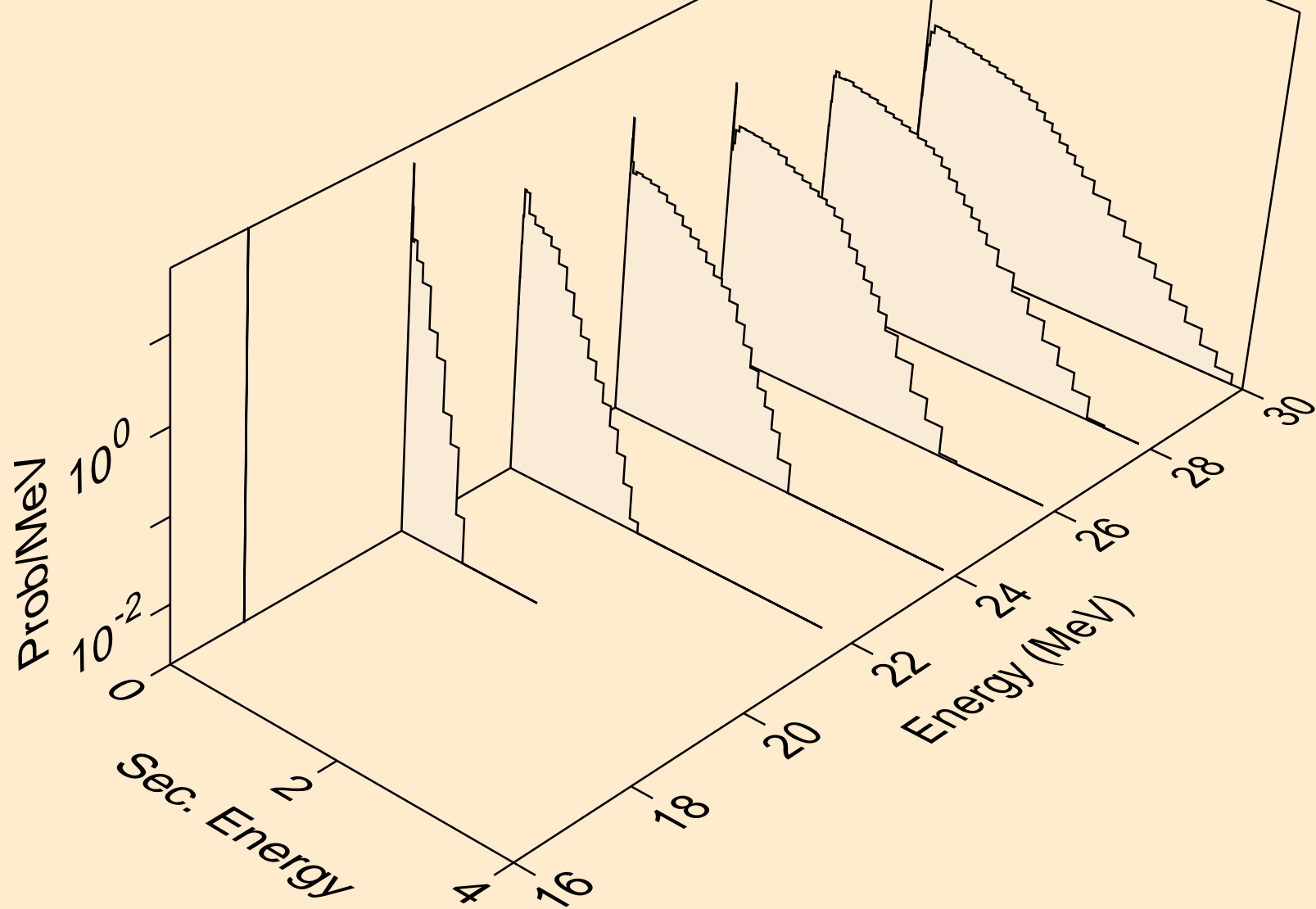
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neutrons from (a,3n)a



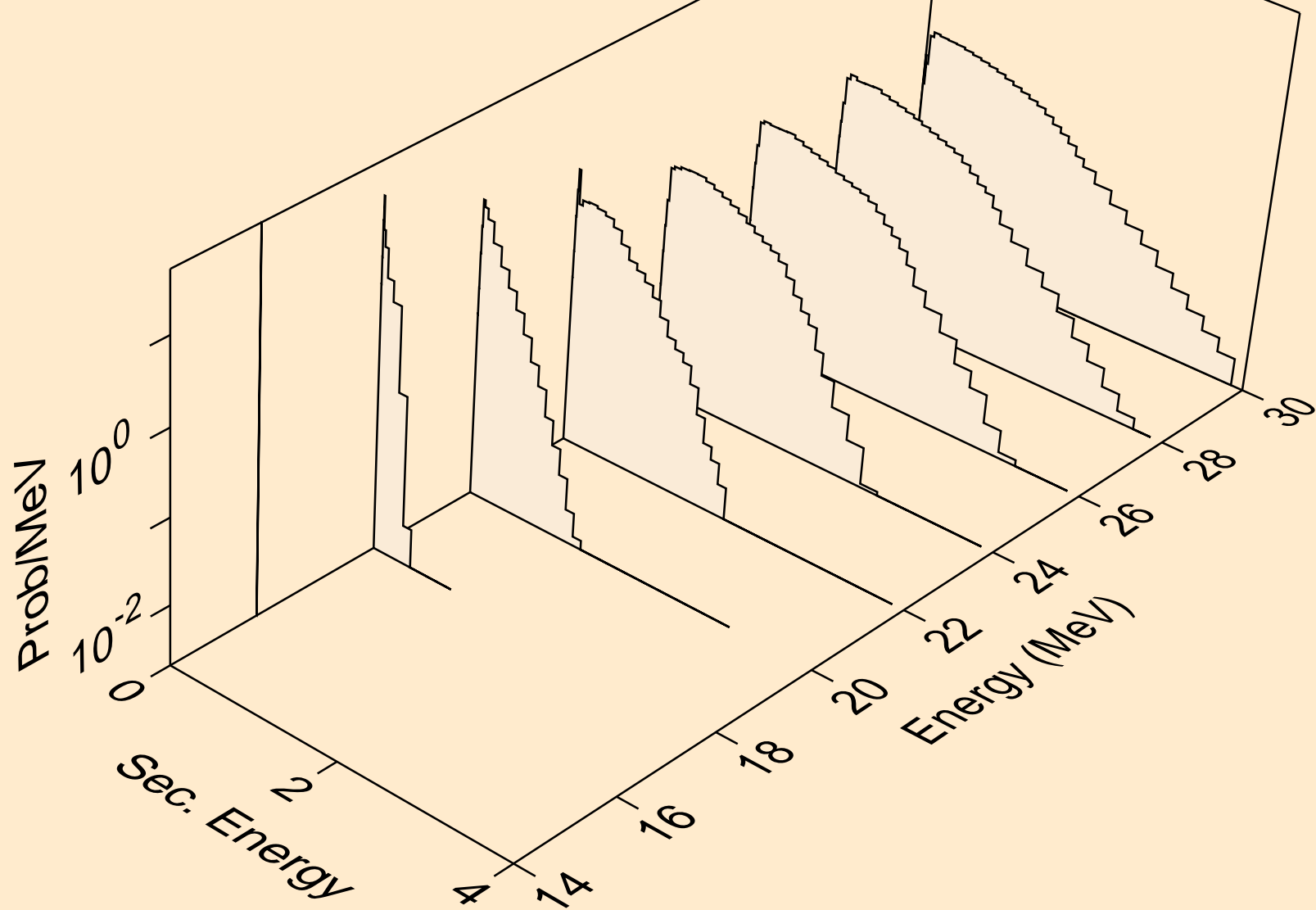
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neutrons from (a,n\*)p



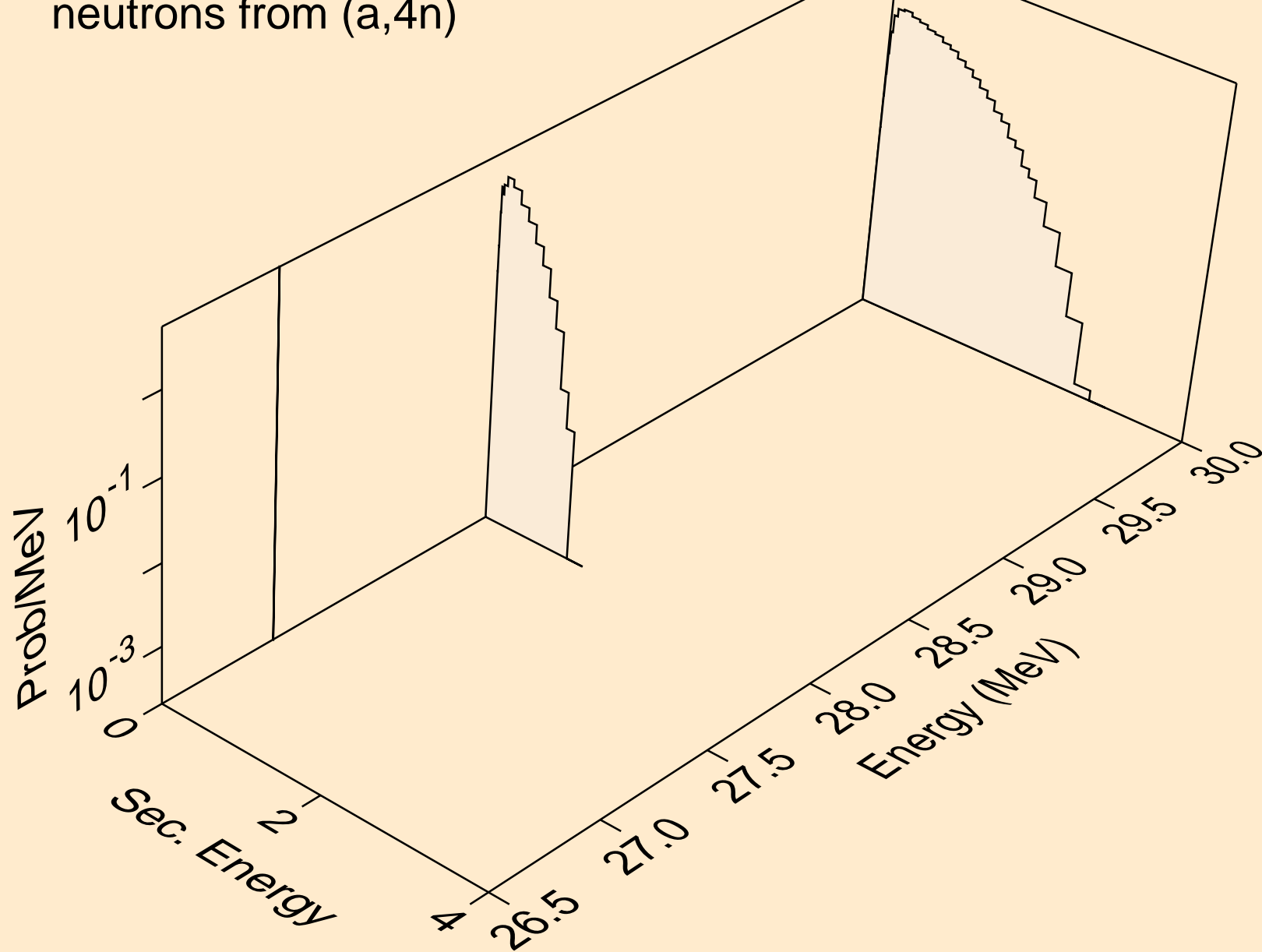
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
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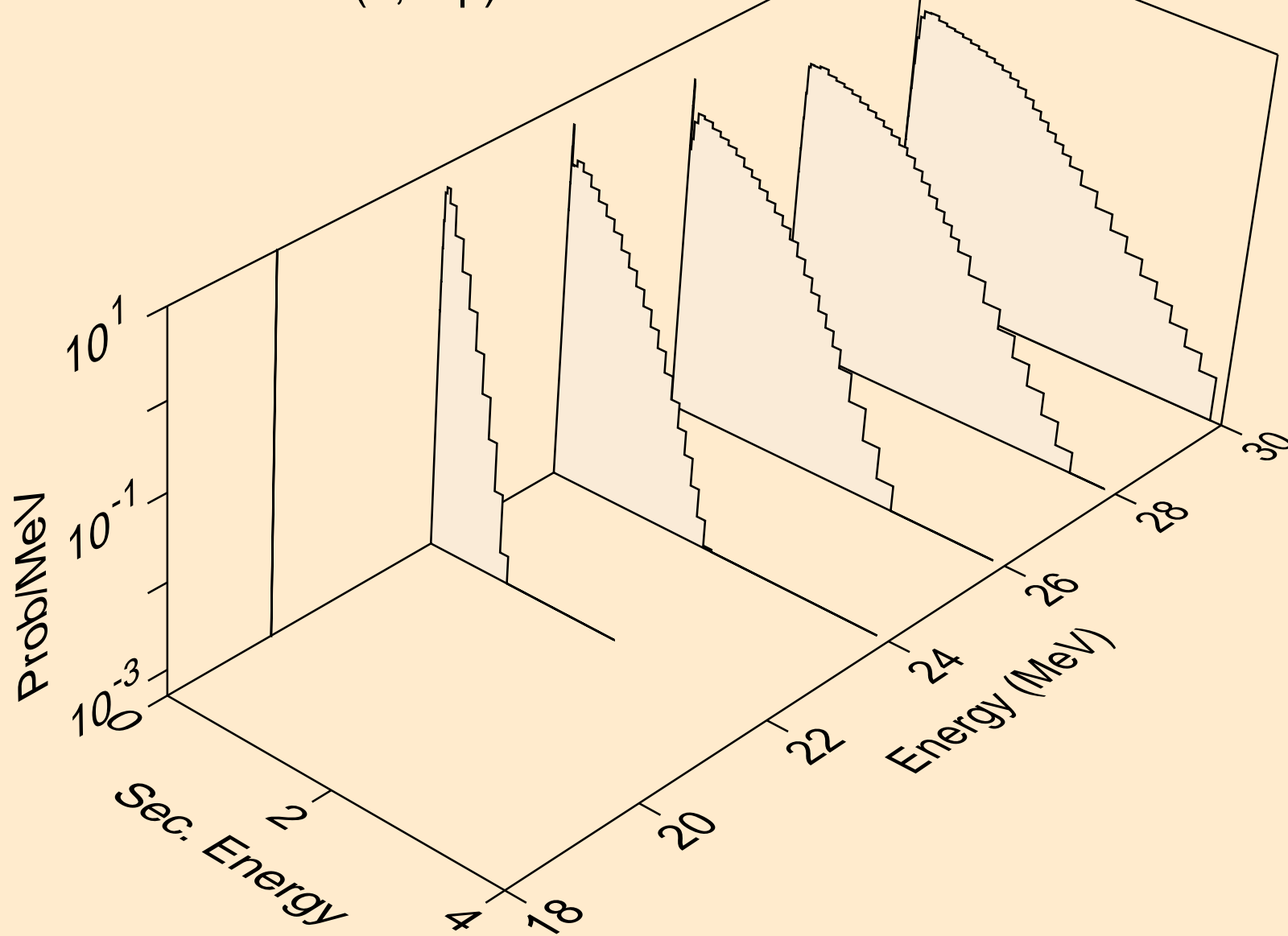
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neutrons from (a,n\*)t



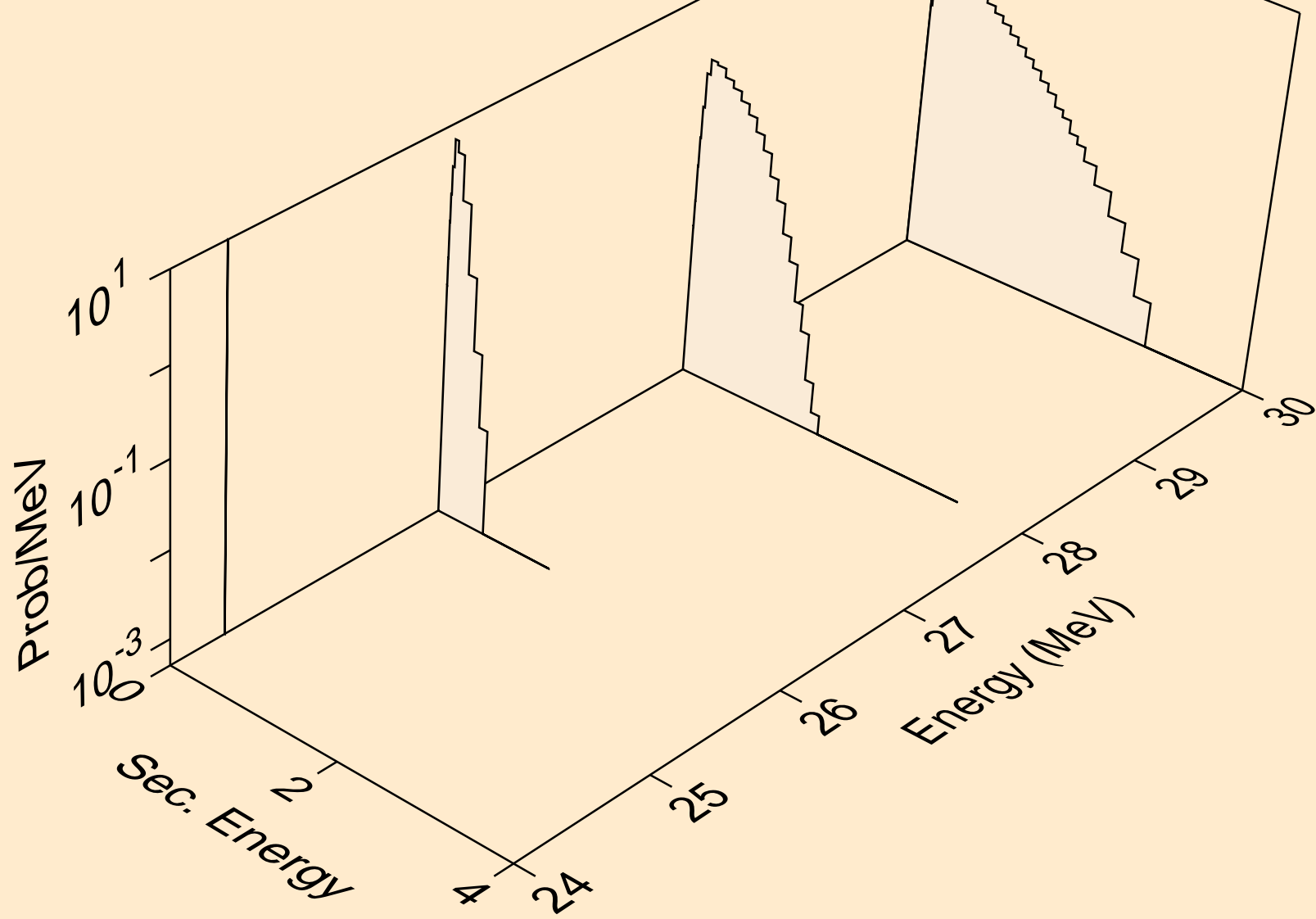
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,4n)



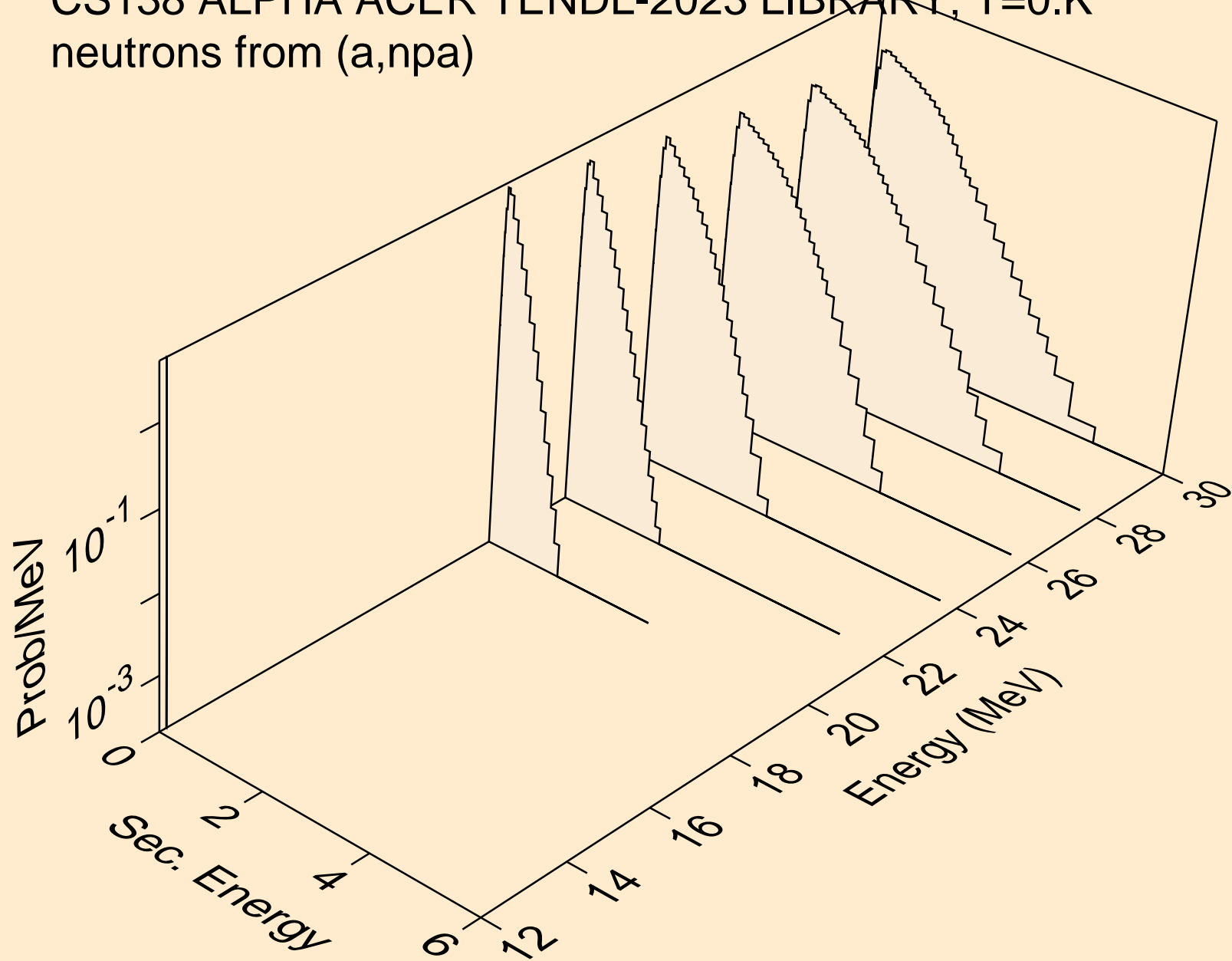
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
neutrons from (a,2np)



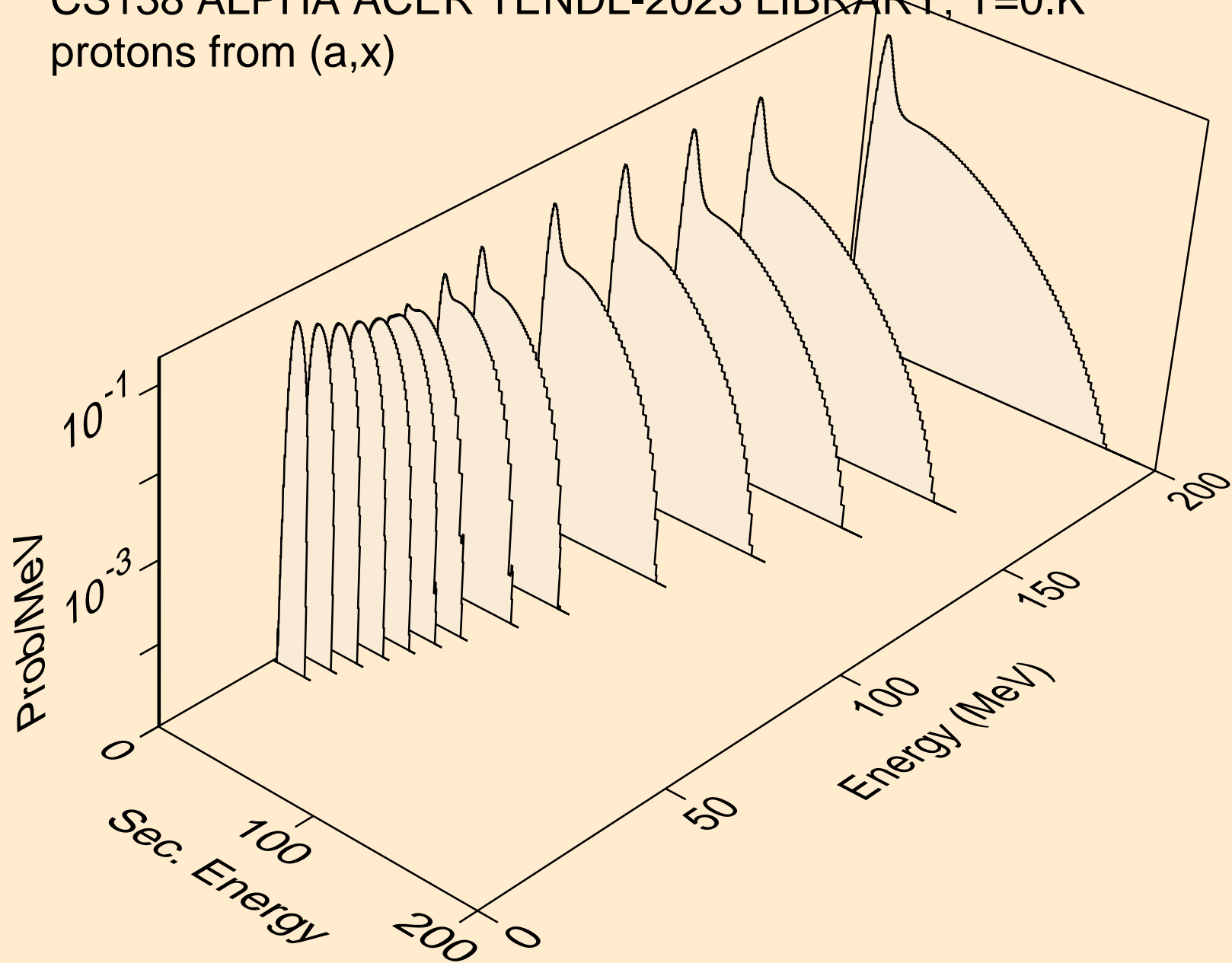
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neutrons from (a,3np)



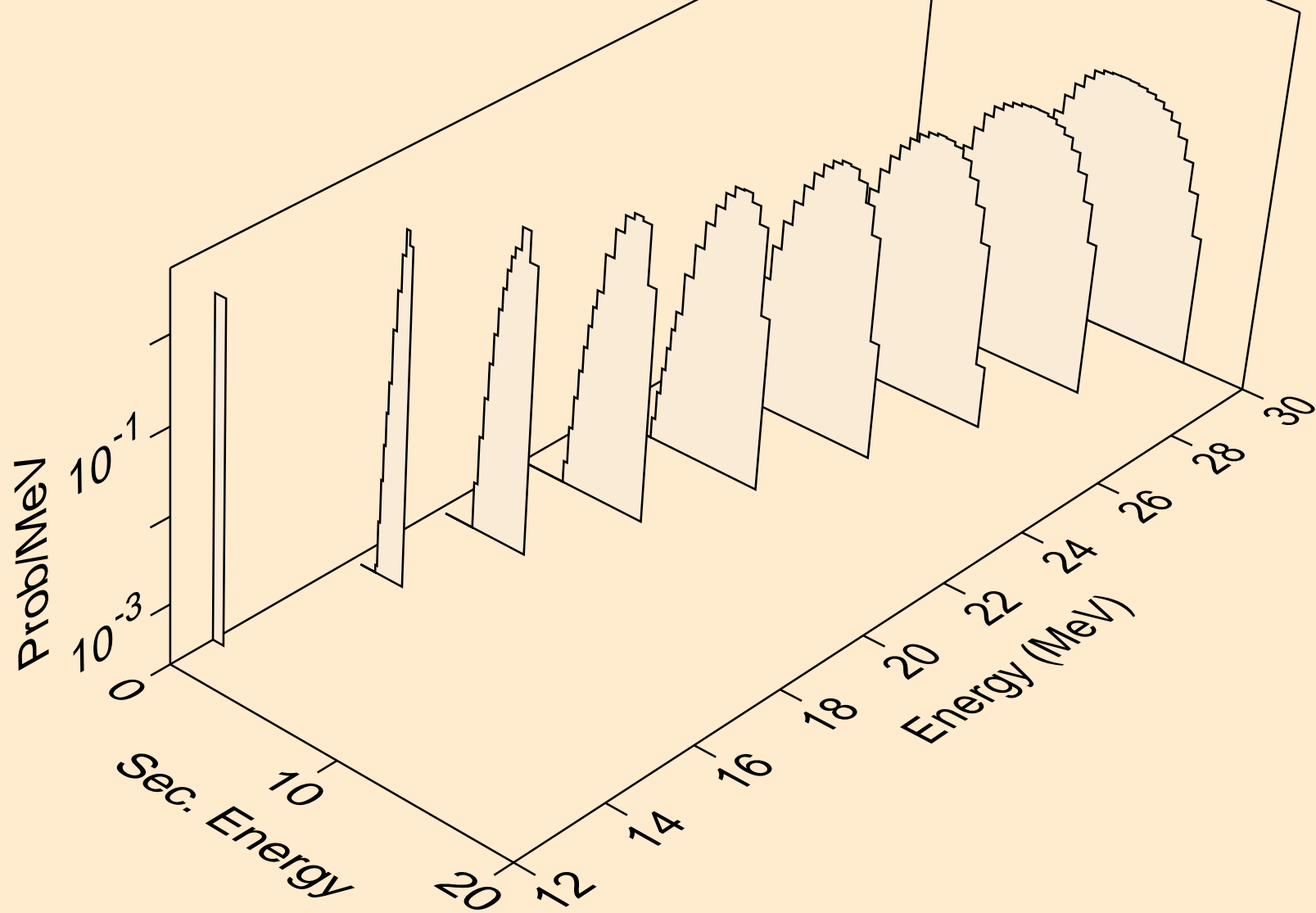
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neutrons from (a,npa)



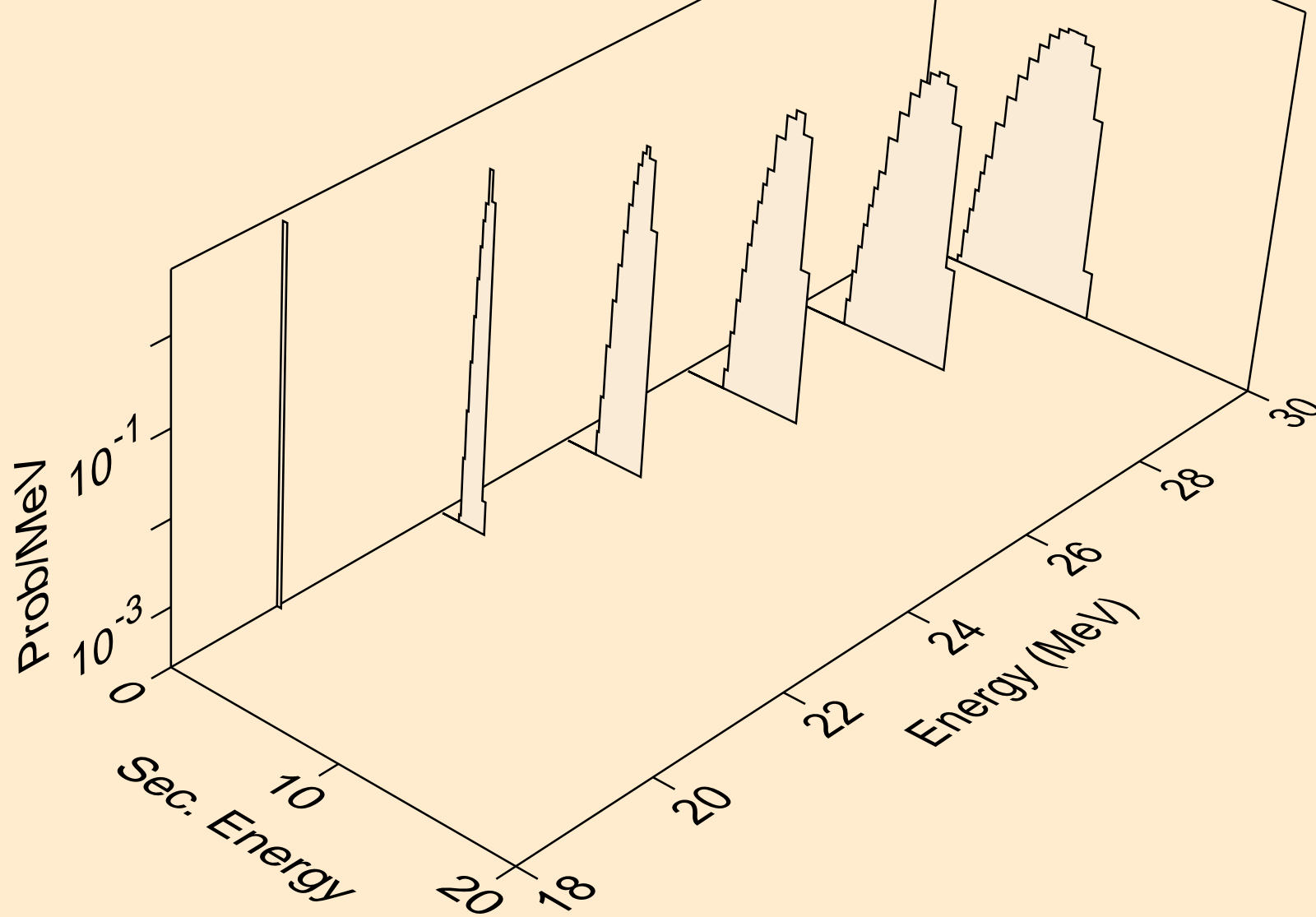
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protons from (a,x)



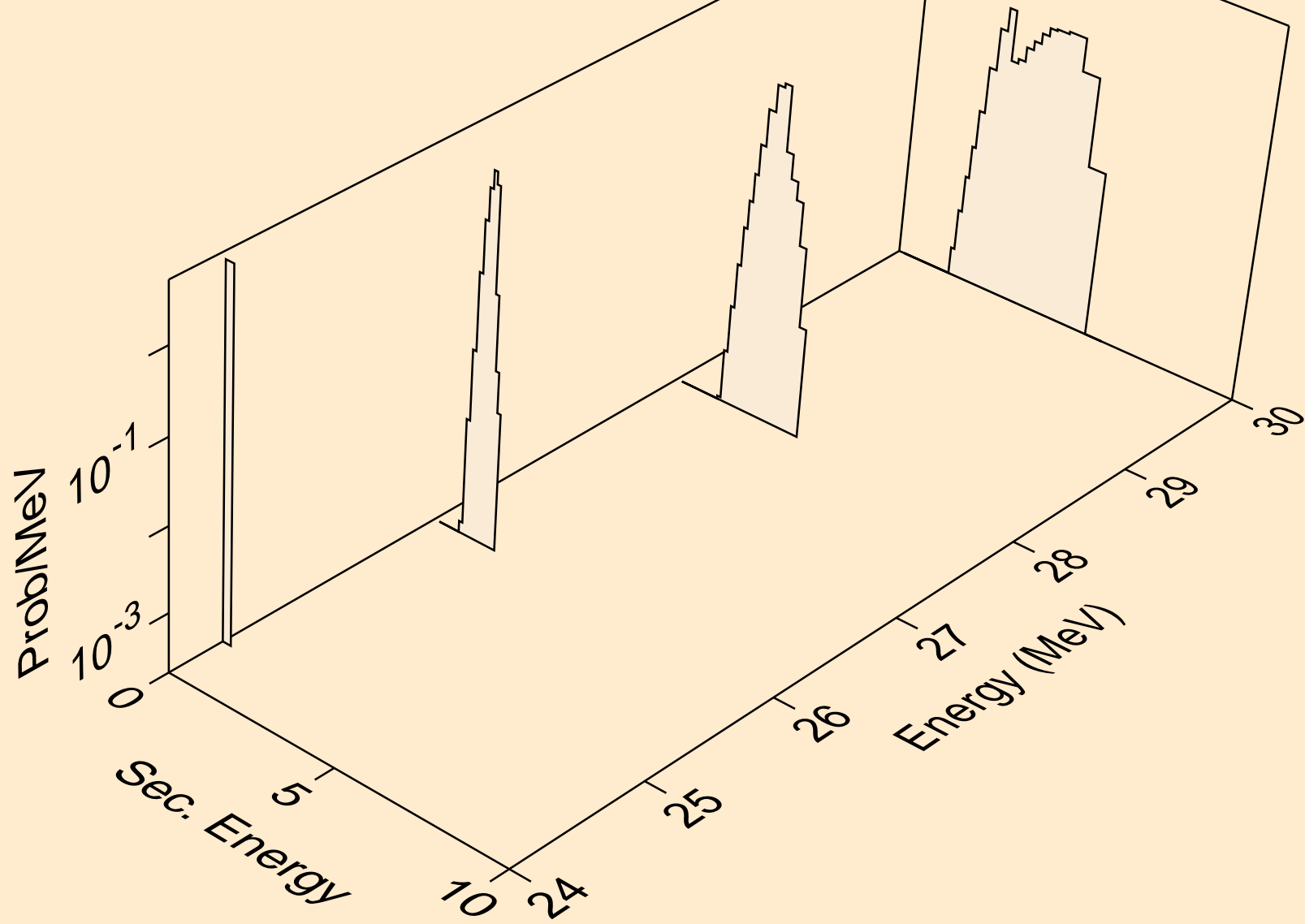
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protons from (a,n\*)p



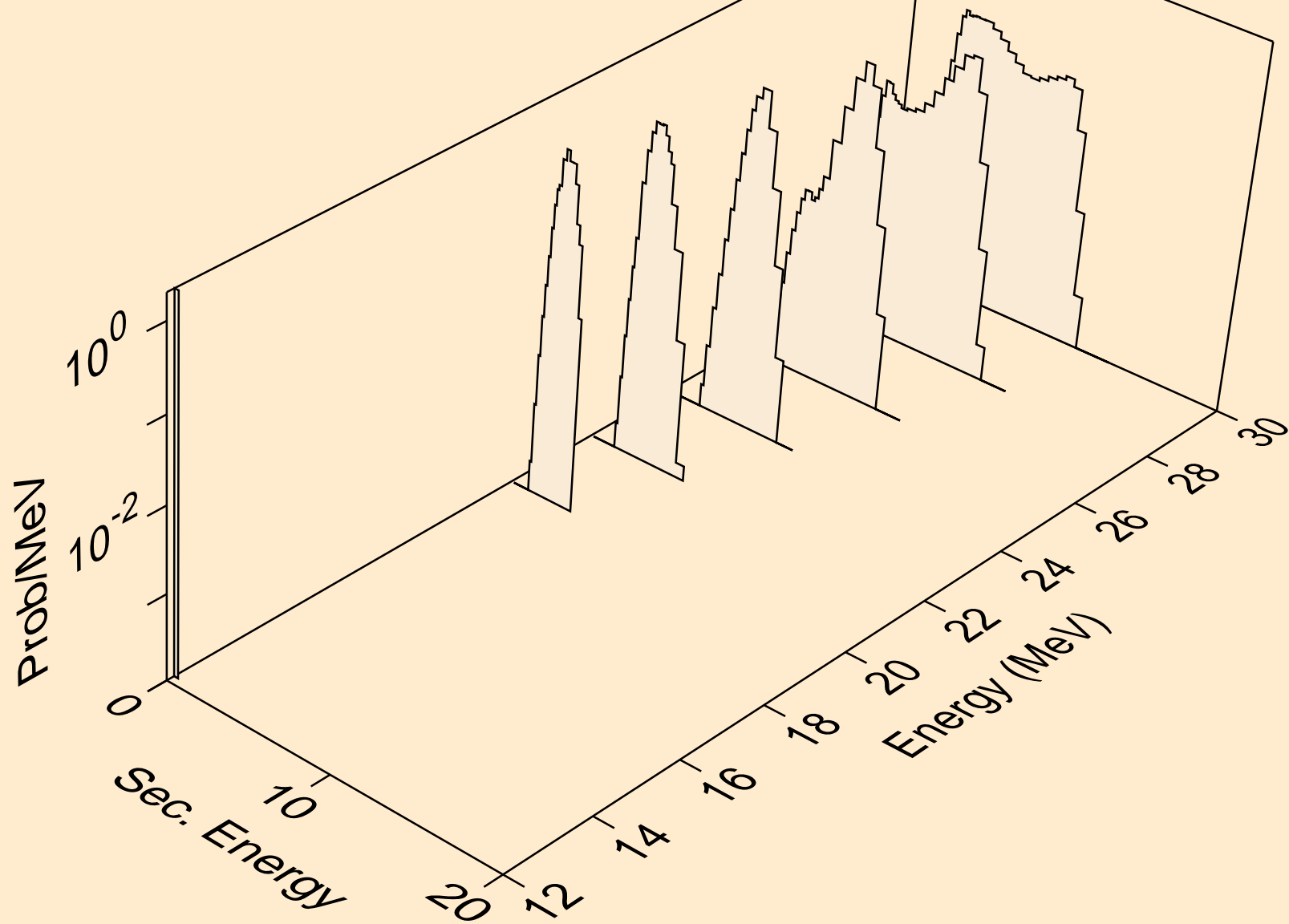
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protons from (a,2np)



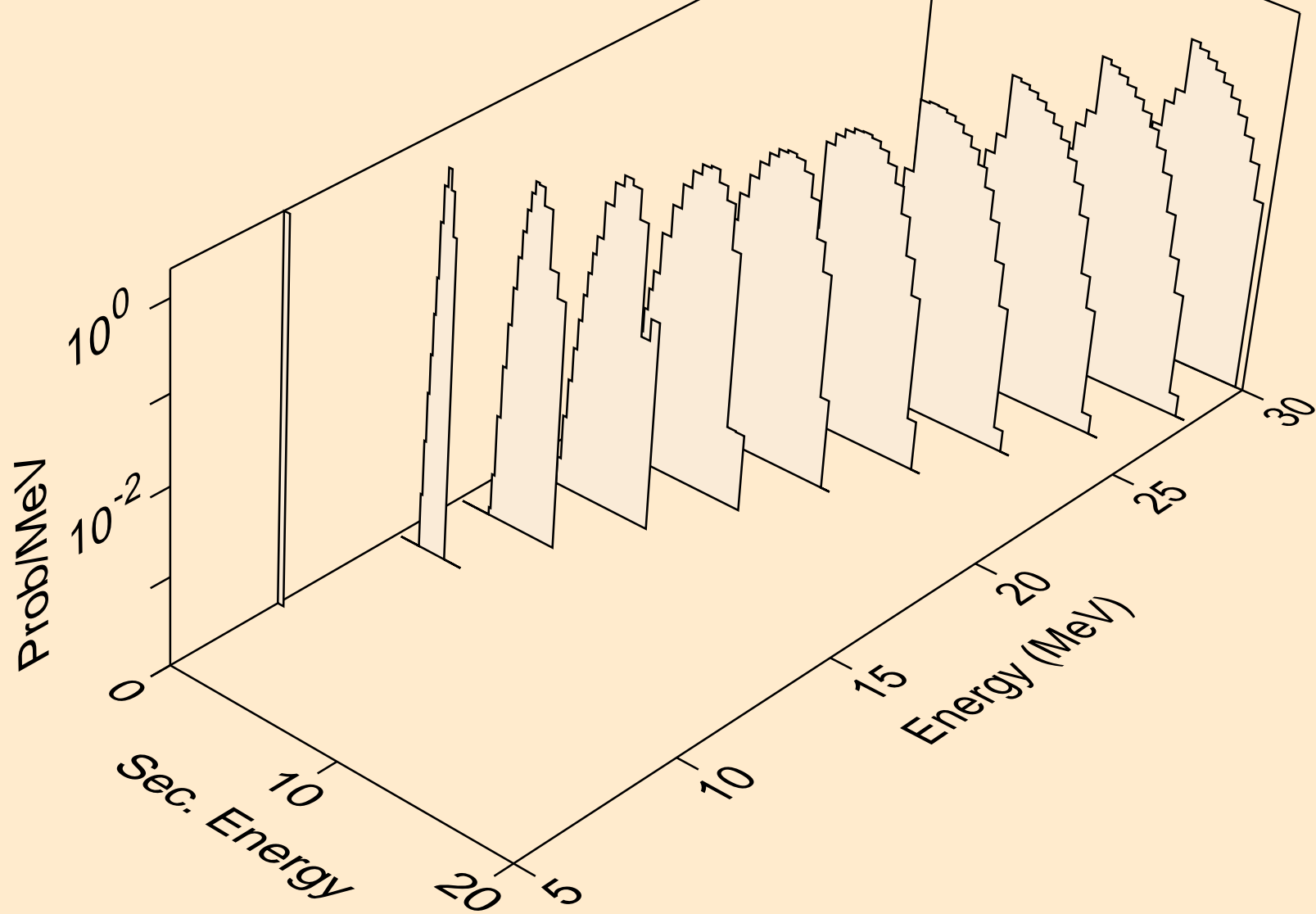
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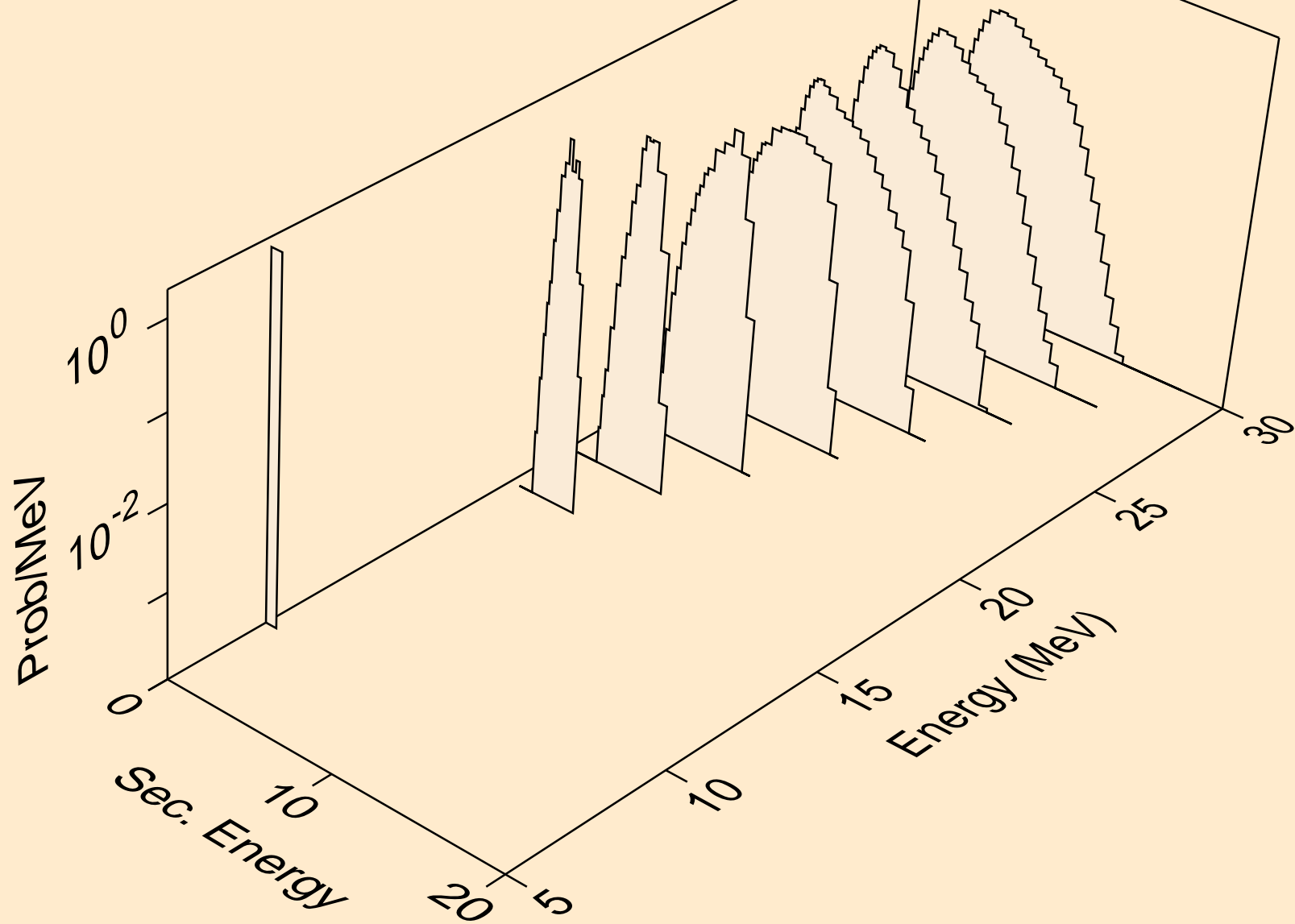
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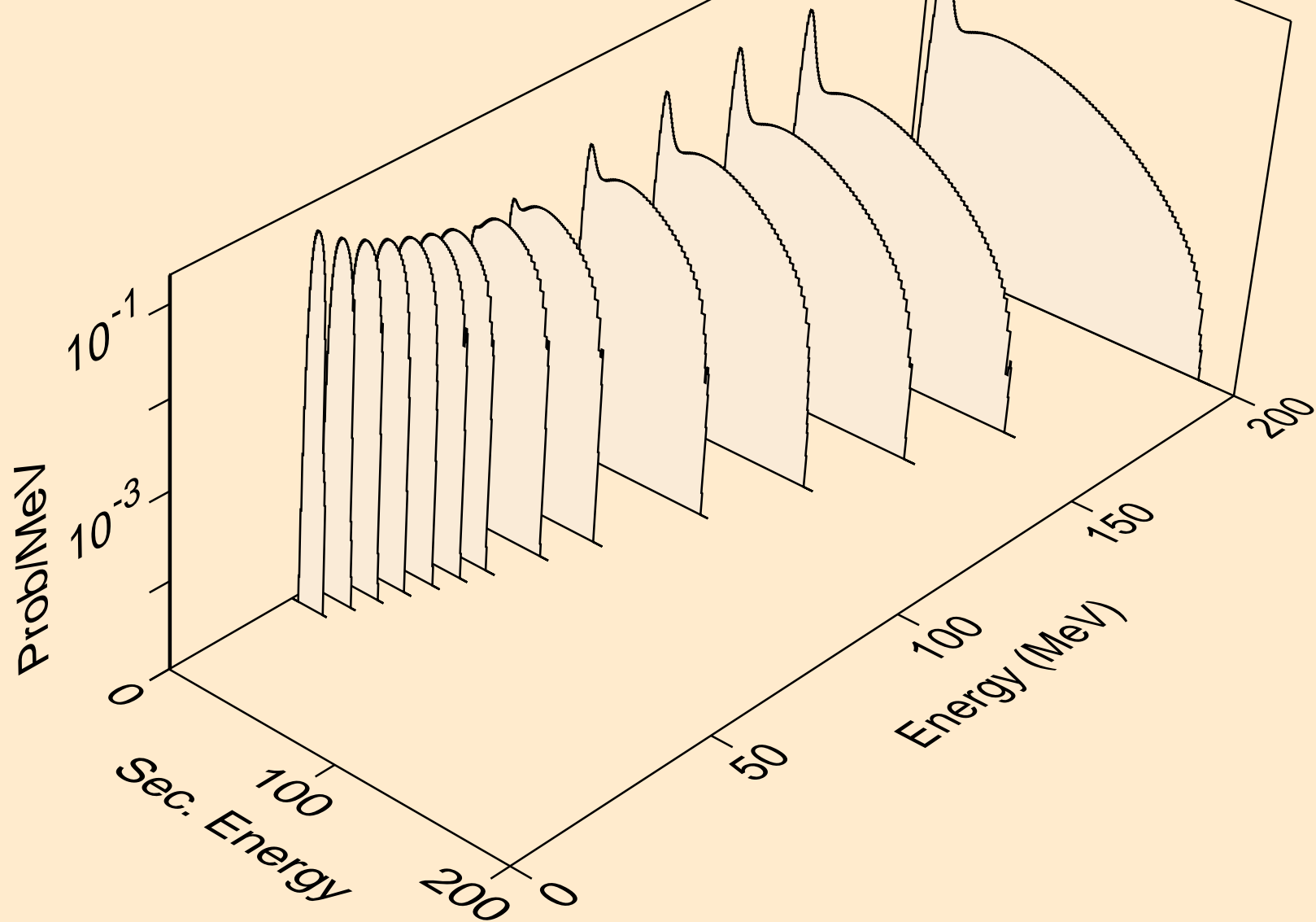
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protons from (a,p)



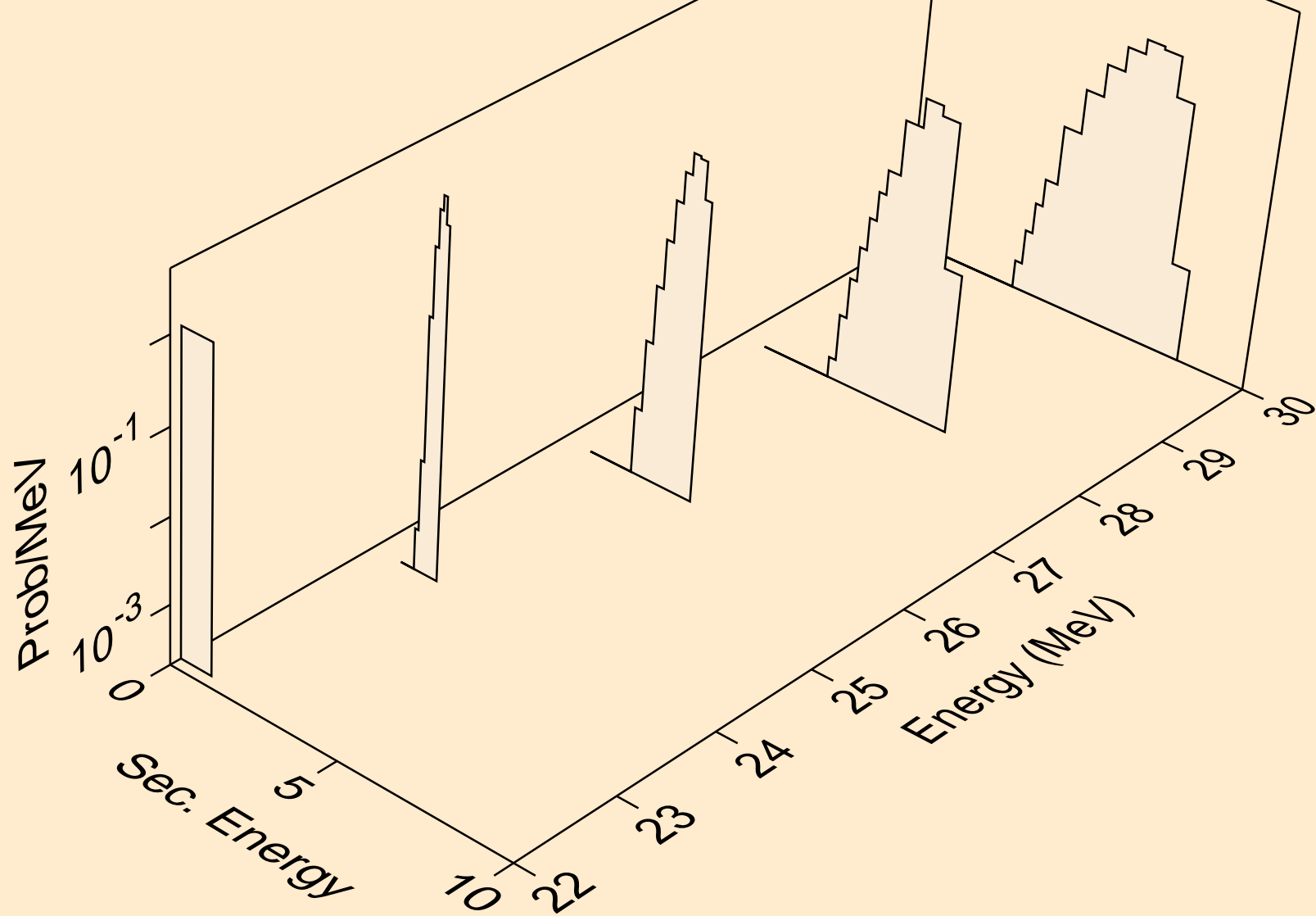
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protons from (a,pa)



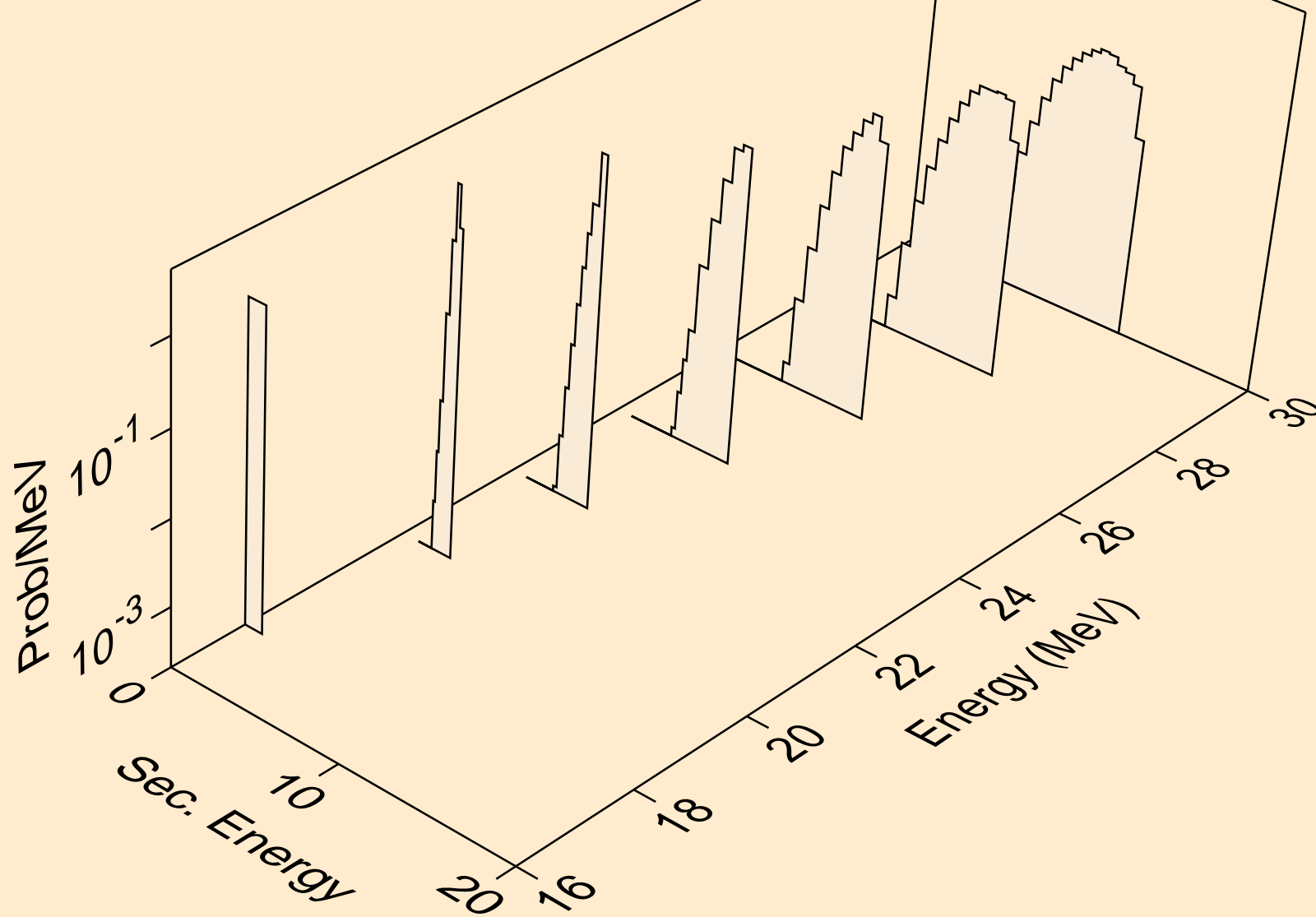
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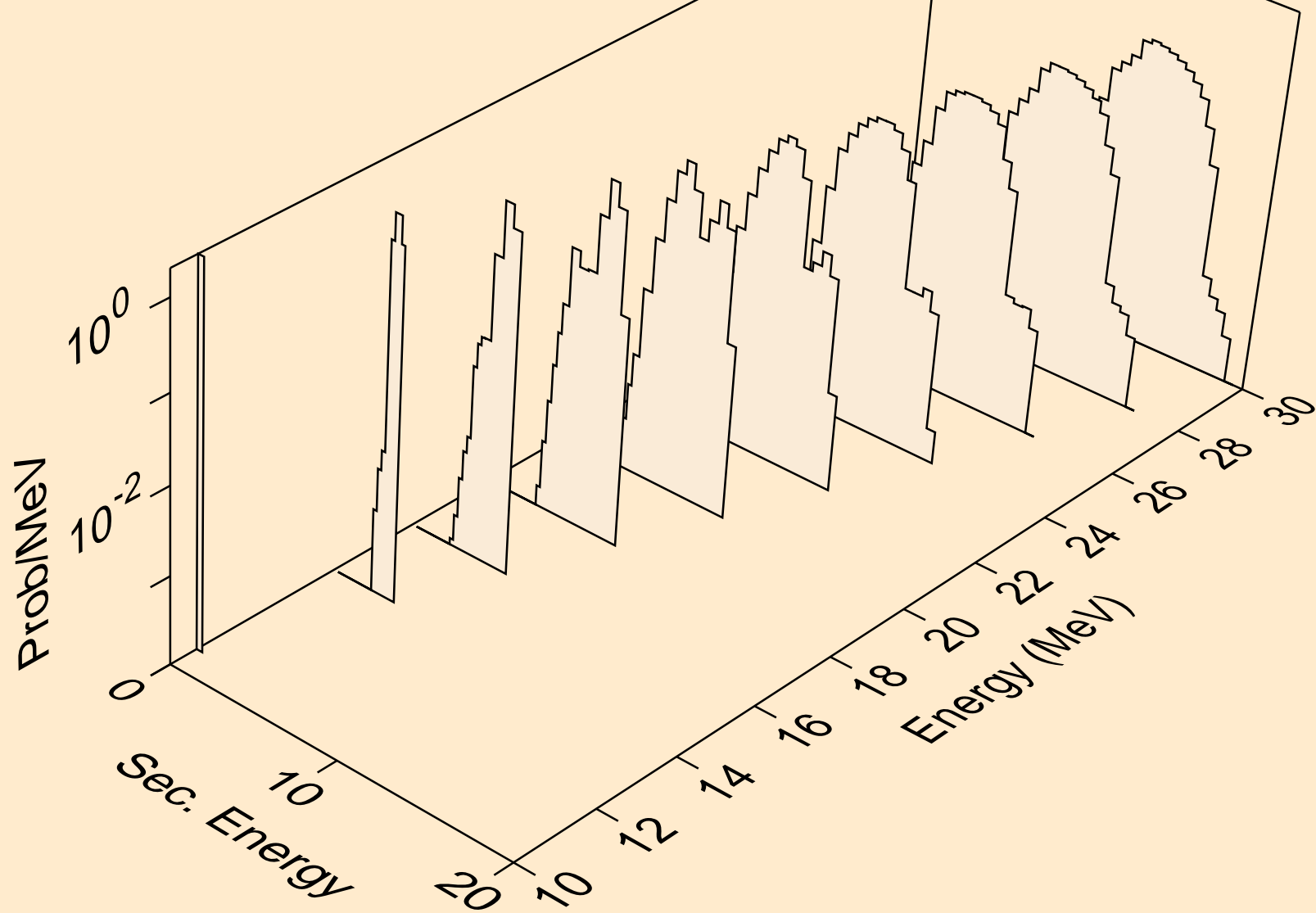
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deuterons from (a,2nd)



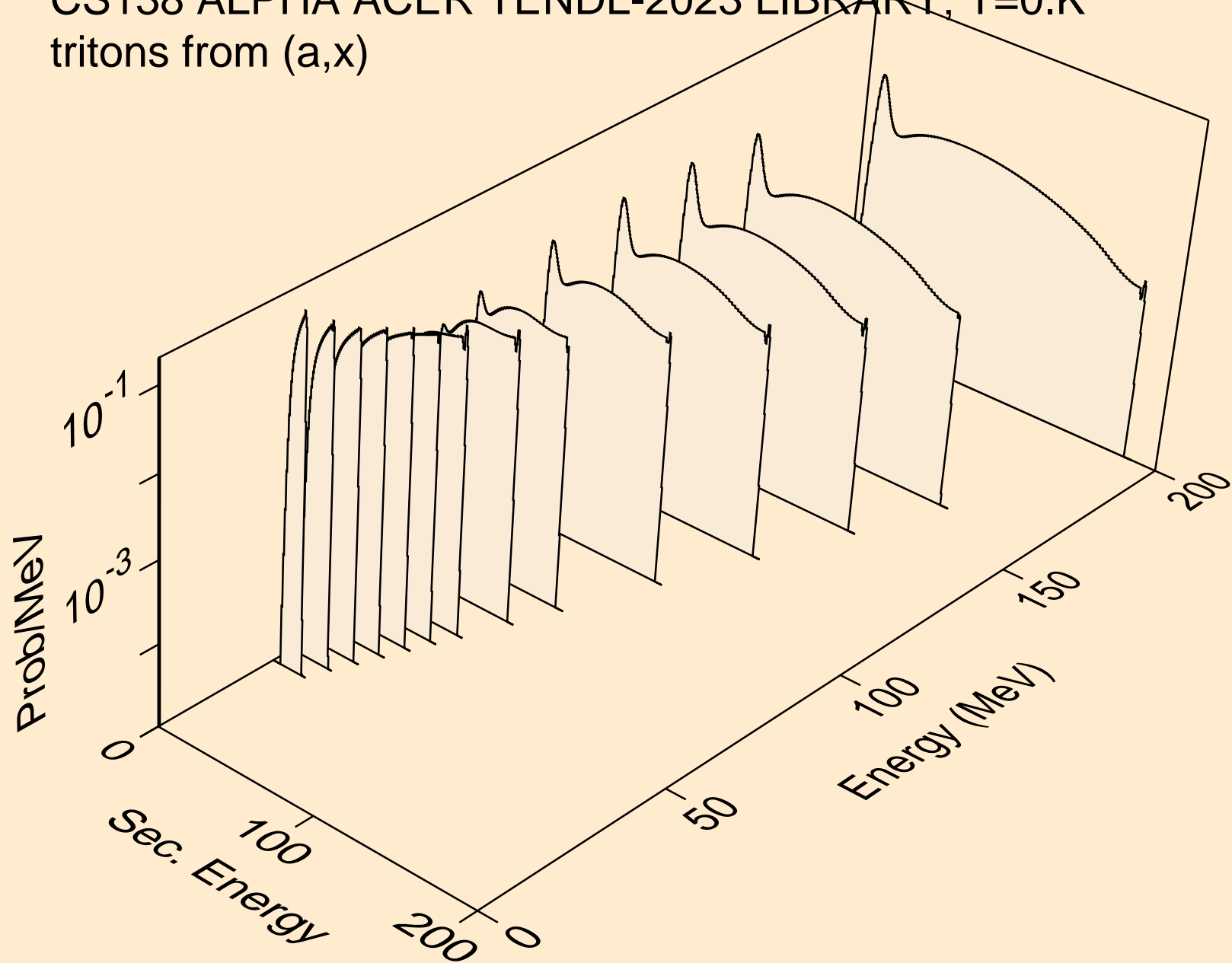
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,n\*)d



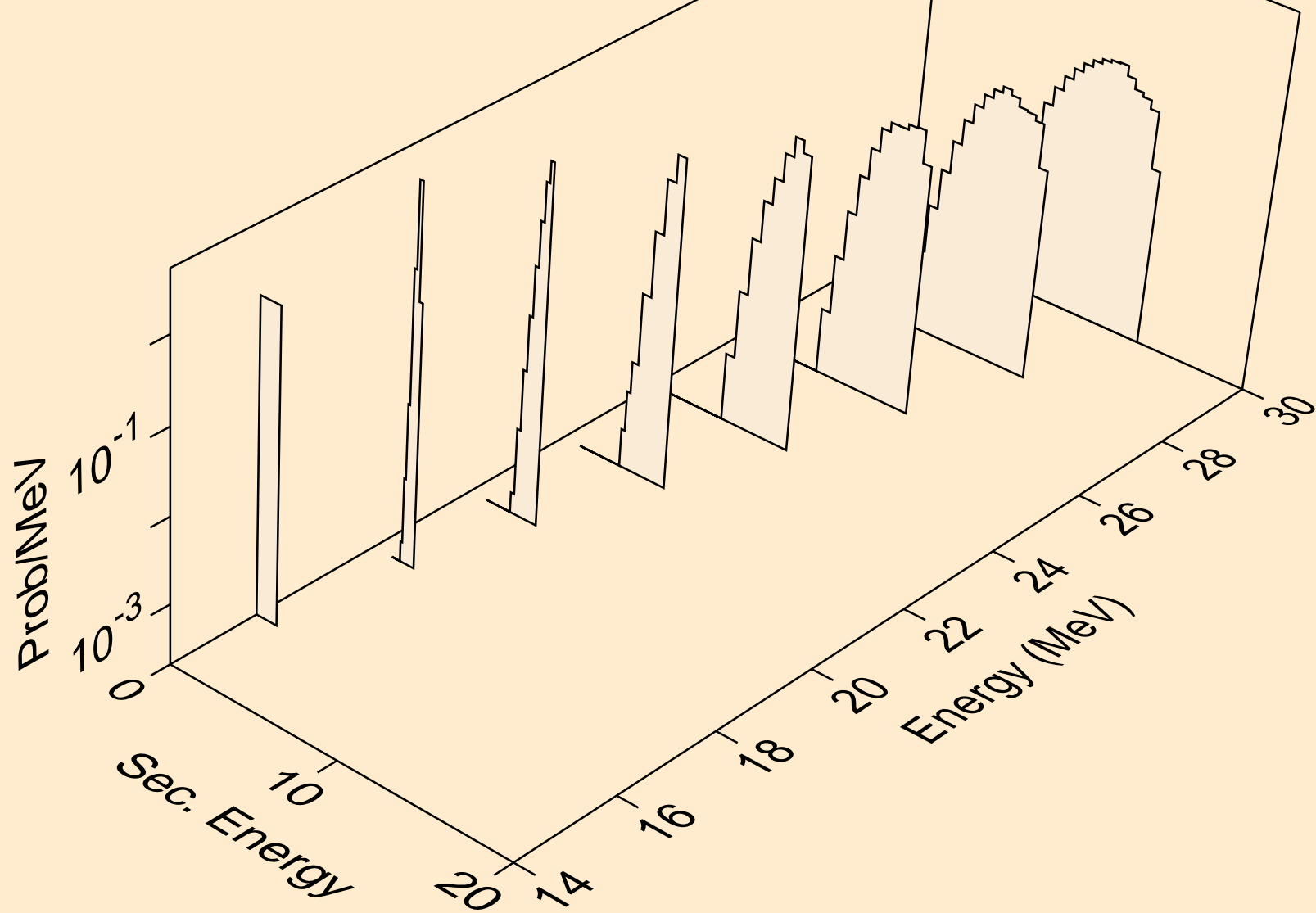
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (a,d)



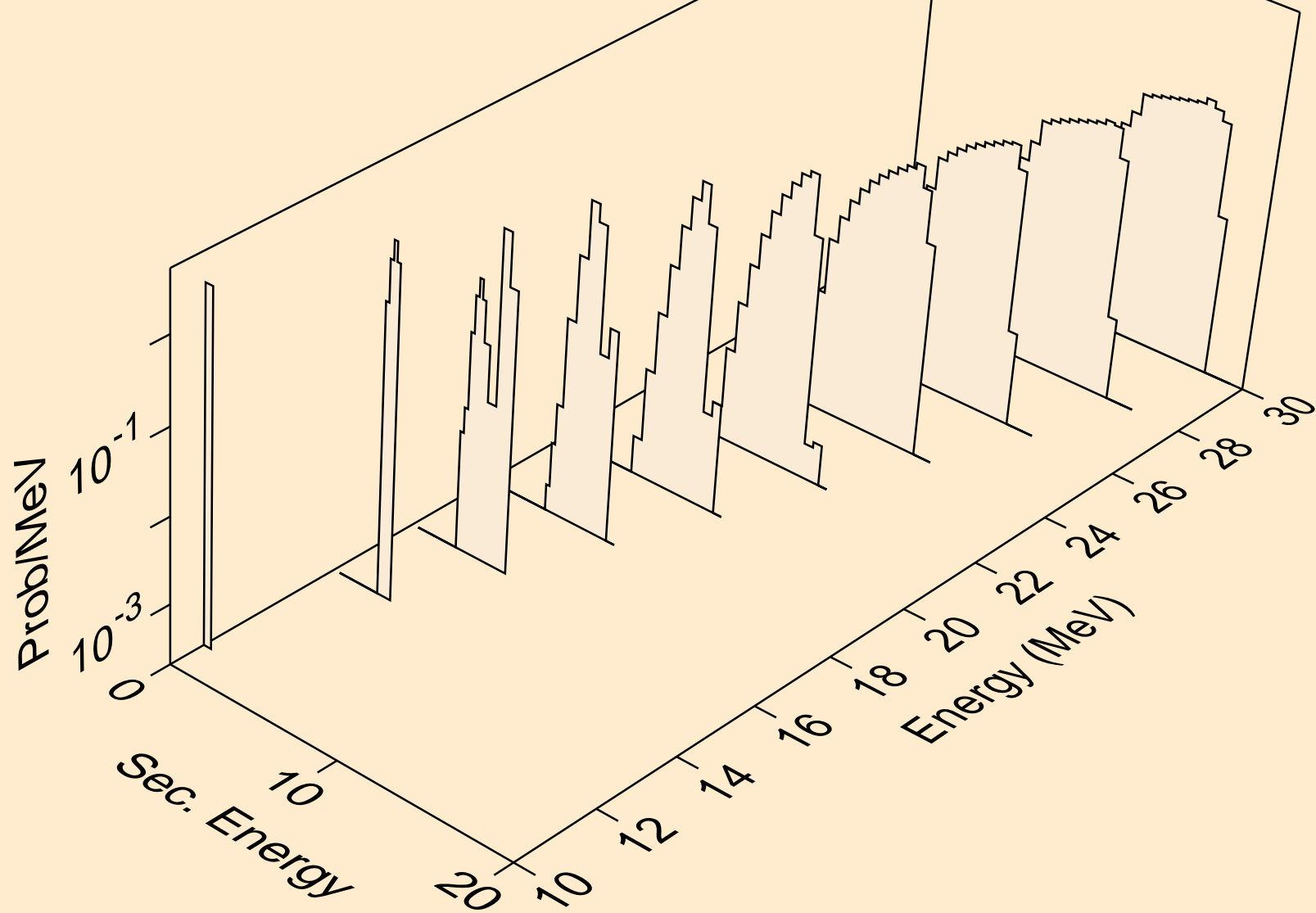
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,x)



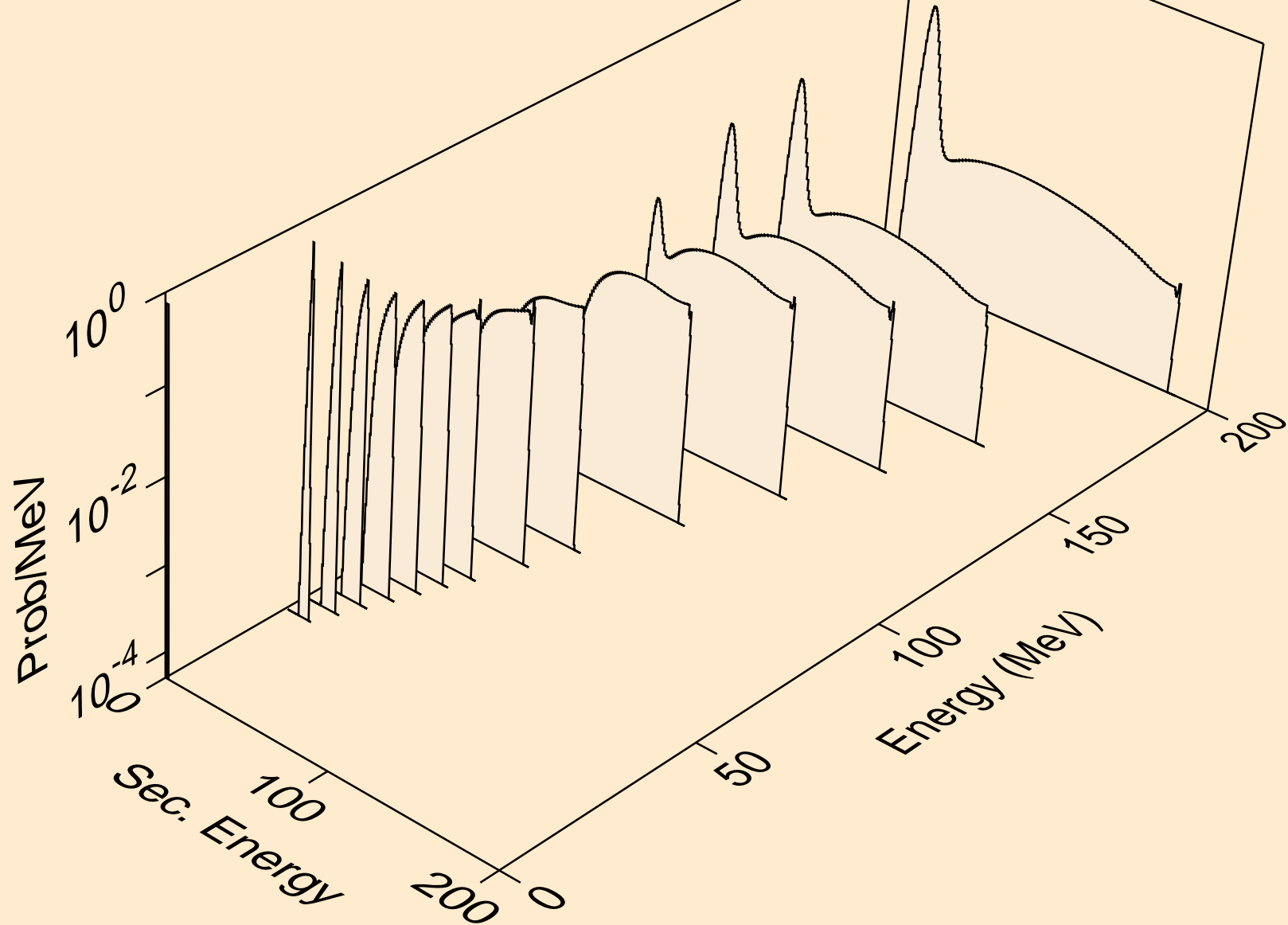
CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,n\*)t



CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (a,t)



CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,x)



CS138 ALPHA ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (a,he3)

